BOARD OF PUBLIC WORKS MEMBERS

KEVIN JAMES
PRESIDENT

CECILIA CABELLO
VICE PRESIDENT

DR. MICHAEL R. DAVIS
PRESIDENT PRO TEMPORE

AURA GARCIA
COMMISSIONER

JESSICA M. CALOZA
COMMISSIONER

DR. FERNANDO CAMPOS
EXECUTIVE OFFICER

CITY OF LOS ANGELES

CALIFORNIA

ERIC GARCETTI
MAYOR

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER

1149 S. BROADWAY, SUITE 700
LOS ANGELES, CA 90015-2213

http://eng.lacity.org

May 28, 2019

The Honorable Herb J. Wesson, Jr.
President
Los Angeles City Council

c/o Holly L. Wolcott
City Clerk
City Hall Room 360

BRIDGE HOUSING ON 515 N. BEACON STREET (CF 18-0651-S3) CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) NOTICE OF EXEMPTION (NOE)

Dear President Wesson and Honorable Members:

On August 10, 2018, the City Council adopted a motion instructing City staff to evaluate and report on the feasibility of establishing bridge housing at a site at 515 N. Beacon St., San Pedro, in Council District 15. The Bureau of Engineering has conducted a CEQA analysis of the proposed development and use of the site for temporary use as bridge housing for those experiencing homelessness.

RECOMMENDATION

Staff recommends that the City Council determine the Bridge Housing Project on 515 N. Beacon Street, which allows the development and use of the property as a temporary shelter, is categorically exempt from the provisions of the CEQA pursuant to State CEQA Guidelines Article 19, Sections 15332, Class 32. Refer to the attached NOE.

If you have any questions, please contact Allan Kawaguchi at (213) 485-4687.

Sincerely,

Gary Lee Moore
Electronically signed by 21866 on 05/28/2019 at 3:39:44 PM

Gary Lee Moore, PE, ENV SP
City Engineer

GLM/AK/mem
Q:\Eileen\CD 15 515 N Beacon St Bridge Housing_San Pedro\CEQA_NOE\Transmittal Ltr NOE to Council 190528.doc

Attachment

COUNTY CLERK'S USE

CITY OF LOS ANGELES
OFFICE OF THE CITY CLERK
ROOM 395, CITY HALL
LOS ANGELES, CALIFORNIA 90012
CALIFORNIA ENVIRONMENTAL QUALITY ACT

NOTICE OF EXEMPTION

(Articles II and III – City CEQA Guidelines)

CITY CLERK'S USE

Submission of this form is optional. The form shall be filed with the County Clerk, 12400 E. Imperial Highway, Norwalk, California, 90650, pursuant to Public Resources Code Section 21152(b). Pursuant to Public Resources Code Section 21167(d), the filing of this notice starts a 35-day statute of limitations on court challenges to the approval of the project.

LEAD CITY AGENCY AND ADDRESS: City of Los Angeles
c/o Bureau of Engineering, 1149 S. Broadway, MS 939, Los Angeles, CA 90015

COUNCIL DISTRICT
15

PROJECT TITLE:
Bridge Housing Project on N. Beacon Street in San Pedro

LOG REFERENCE
CF 18-0651-S3

PROJECT LOCATION: 407, 427 and 433 N. Beacon Street, San Pedro, CA 90731 T.G. 824 C4

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT The project is funding and constructing a temporary homeless shelter that will operate for up to 3 years and will provide emergency shelter, hygiene, storage, food services and case management to homeless individuals. The project location is on Assessor's Parcel Number (APN) 744-900-7900; a parcel comprised of eight (8) contiguous lots within the San Pedro Community Plan Area of the City of Los Angeles in Council District 15 (CD 15). The project site is limited to the three (3) most southern lots of this parcel, identified by three (3) separate addresses, 407, 421 and 437 North Beacon Street, San Pedro, CA, 90731. The nature of this project is to serve the local homeless community within the surrounding community. The project design plan includes a new single-story 10,800 square-foot modular tent and associated structures to be constructed on a leased State of California owned parcel that includes three (3) lots and is currently used as a parking lot. The lot totals approximately 50,940 square feet. The project design includes up to 100 beds within the tented area, a 720 square-foot hygiene trailer, a free-standing shade structure, a 960 square-foot administration trailer, an 880 square-foot exterior dining area, a 120 square-foot food preparation and serving area and 450 square feet for a 102-bin storage room. Floor space totals 12,480 square feet, including the temporary tent structure. Outside areas include a 1,020 square-foot outdoor pet area, bike racks, a smoking area and general open space. There are 108 parking spaces on the project site and a total of 280 parking spaces on the entire CALTRANS Park and Ride lot. Minor alterations to existing utilities and 600-linear-feet of street and onsite fencing fence are also included in the project. Up to five (5) non-protected, non-scenic trees will be removed and will be replaced onsite at a 2 tree to 1 tree ratio. Minimal grading at less than a 10 percent slope will occur to replace existing asphalt, to install utilities and tent footings. The purpose is to provide emergency shelter for the homeless to help bridge their transition from living on the streets to finding services and, ultimately, living in transitional and/or permanent housing. The proposed project will be operated by the City of Los Angeles through Los Angeles Homeless Services Authority, or another City vendor. Full staff will be onsite during daytime operational hours to provide services. The site will be continuously staffed, 24 hours a day, with security personnel, and provided with security directional lighting. Standard conditions, including a construction management plan incorporated into the project design, will apply. The project will not significantly impact environmental resources. Project beneficiaries include the homeless community, the public, and local businesses. On _____the City Council determined this action was exempt from CEQA, approved the project and funding for construction and operation of the temporary bridge housing project.

CONTACT PERSON: Maria Martin **TELEPHONE NUMBER:** 213-485-5753

EXEMPT STATUS: (Check One)

	CITY CEQA GUIDELINES	STATE CEQA GUIDELINES
☐ MINISTERIAL	Art. II, Sec. 2.b	Sec. 15268
☐ DECLARED EMERGENCY	Art. II, Sec. 2.a(1)	Sec. 15269(a)
☐ EMERGENCY PROJECT	Art. II, Sec. 2.a(2)(3)	Sec. 15269(b)(c)
☐ GENERAL EXEMPTION	Art. II, Sec. 1	Sec. 15061(b)(3)
☒ CATEGORICAL EXEMPTION*	Art II, Sec. _____	Sec. 15332
☐ STATUTORY*	Art. _____	Sec. _____

* See Public Resources Code Sec. 21080 and set forth state and city guidelines provisions.

JUSTIFICATION FOR PROJECT EXEMPTION: This project is categorically exempt pursuant to *State CEQA Article 19, Section 15332, Class 32 Infill Development Projects*. None of the limitations set forth in State CEQA Guidelines 15300.2 apply, see attached narrative.

IF FILED BY APPLICANT, ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING

SIGNATURE: Maria Martin	TITLE: Environmental Affairs Officer Environmental Management Group	DATE:
FEE: $75.00_____ RECEIPT NO.	REC'D BY	DATE

DISTRIBUTION: (1) County Clerk (2) City Clerk (3) Agency Record

This page intentionally left blank.

CATEGORICAL EXEMPTION NARRATIVE

I. PROJECT DESCRIPTION

The project is a temporary homeless shelter that will provide emergency shelter, hygiene, storage, food services, and case management to homeless individuals, and will operate on a temporary basis, for up to 3 years. The project location is on Assessor's Parcel Number (APN) 744-900-7900; a parcel comprised of eight (8) contiguous lots within the San Pedro Community Plan Area of the City of Los Angeles in Council District 15 (CD 15). The project site is limited to the three (3) most southern lots of this parcel, identified by three (3) separate addresses, 407, 421 and 437 North Beacon Street, San Pedro, CA, 90731, as shown in *Figure 1 - Project Location Map and Figure 2 – Assessor's Parcel Map* (Reference 1).

The project design plan includes a new single-story 10,800 square-foot modular tent structure and associated structures described below that will be constructed on a State of California owned parcel that includes three (3) lots covering the southern portion of the parcel that will be leased by the City. The 3 lots total approximately 50,940 square feet. The project design includes up to 100 beds within the tented area, a 720 square-foot hygiene trailer, a free-standing shade structure, a 960 square-foot administration trailer, a 880 square-foot exterior dining area, a 120 square-foot food preparation and serving area; and a 450 square foot 102-bin storage room. Outside areas include a 1020 square-foot outdoor pet area, bike racks, a smoking area and general open space. Floor area totals 12,480 square feet, including the temporary tent structure. Minor alterations to existing utilities and 475 linear-feet of street and onsite fencing are also included in the project. As part of the proposed project, all new nighttime lighting fixtures would be installed to direct the light onto doorways, ingress/egress areas, and other areas of the proposed project and away from sensitive areas. In addition, all new lighting would be designed and installed in compliance with the applicable Los Angeles Municipal Code (LAMC) lighting requirements. Additionally, new lighting installed as a part of the proposed project would be shielded as applicable to prevent glare. Approximately five (5) trees will be removed. Currently the project location is a CALTRANS District 7 public Park and Ride Lot that is identified as *San Pedro II* with a total of 280 parking spaces. There are currently 108 public parking spaces on the project site that will be removed. Parking for staff and patrons will be available northerly of the project site, within the current Park and Ride parking lot.

The purpose of the project is to provide emergency shelter for the homeless to help bridge their transition from living on the streets to finding services and, ultimately, living in transitional and/or permanent housing.

The project site is zoned C2-2D-CPIO with a Community Commercial land use and is located north west of the intersection of O'Farrell Street and Beacon Street, just west of the World Cruise Center berth in the Port of Los Angeles. Currently, the project site is used as the southerly portion of the CALTRANS *San Pedro II* Park and Ride lot and is paved with ornamental trees and landscaping. The project will occupy that space as noted below. The project design will utilize existing onsite trees as possible, however,

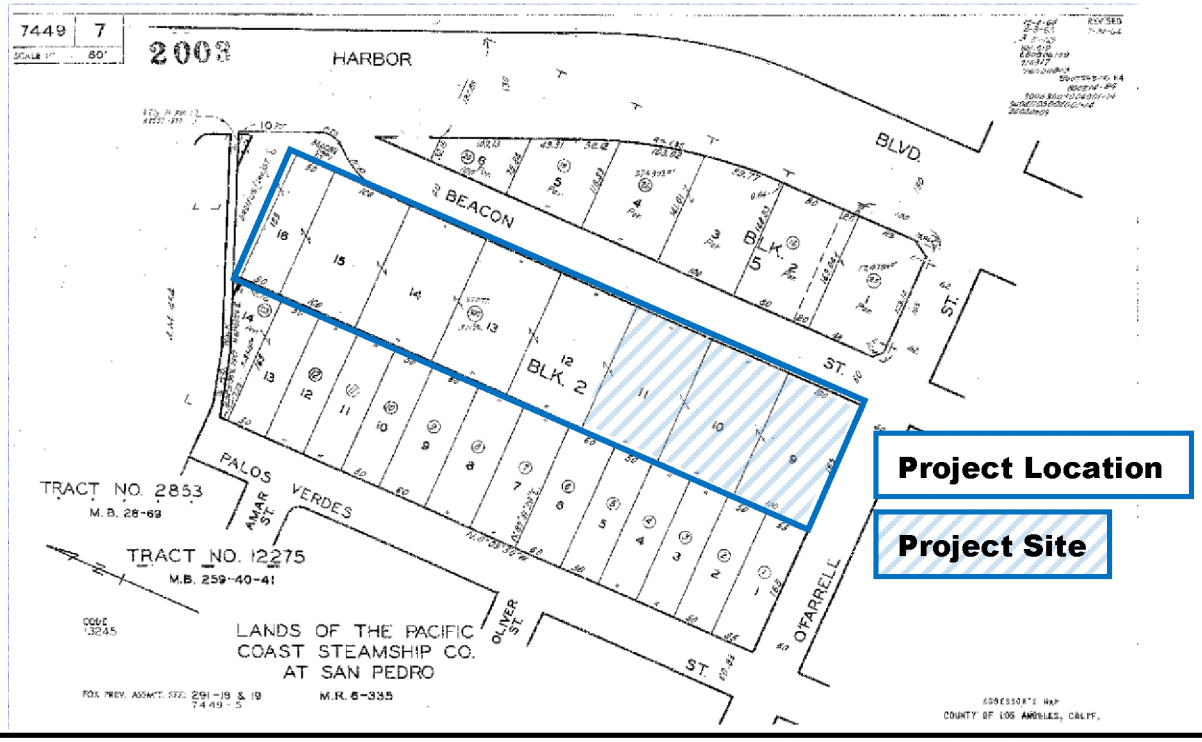
the removal of up to five (5) trees will be required to make room for the shelter. All removed trees will be replaced onsite at a 2 tree to 1 tree ratio. The entire project site is in a "Freeway Adjacent Sensitive User" area because the project site is close to the Harbor I-110 Freeway.

Parcels that surround the site on the north, south and east are zoned for commercial land uses. Parcels to the west are zoned for residential land uses. The Port of Los Angeles is directly across the street to the east. The proposed project site encompasses approximately 50,940 square feet, is comprised of three lots of a parcel that has a total of eight (8) lots, and is rectangular-shaped. The project is located in a Transit Priority Area, and is generally bounded by the Harbor

Figure 1 – Project Location



Figure 2 – Assessor's Parcel Map



I-110 Freeway Harbor Boulevard off-ramp to the north, O'Farrell Street to the south, Palos Verdes Street to the west and Harbor Blvd to the east, which is an Avenue I city designated scenic highway (i.e., right of way width of 100 feet and roadway width of 70 feet) in the City of Los Angeles Mobility Plan.

The project site is located approximately 959 feet south of the Harbor I-110 Freeway. The lot itself is a transit stop. Regional transit access to and from the site to Downtown Los Angeles Union Station is via the Metro Silverline bus that travels up the I-110 Freeway.

The proposed project will be operated by the City of Los Angeles through Los Angeles Homeless Services Authority, or another City vendor. Full staff will be onsite during daytime operational hours to provide services. The site will be continuously staffed, 24 hours a day, with security personnel, and provided with security directional lighting. Standard conditions, including a construction management plan incorporated into the project design, will apply. The project is consistent with the Los Angeles Municipal Code and the City of Los Angeles General Plan. The project will not significantly impact environmental resources.

The project design shall comply with a construction management plan that includes project design conditions, as necessary, to protect the health, safety, or convenience of affected sensitive receptors, located in the neighborhood that surrounds the project. The construction management plan and appropriate design conditions have been selected from the *City of Los Angeles, Bureau of Engineering, Master Specifications, Division 01, General Requirements, Section 01562, Part 1.1.C* (Reference 2). Selected design conditions are detailed further under applicable resource area analyses. In addition, unless otherwise stated, the proposed project will be designed, constructed and operated following all applicable laws, regulations, ordinances and formally adopted City standards including but not limited to:

- Los Angeles Municipal Code
- Bureau of Engineering Standard Plans
- Standard Specifications for Public Works Construction
- Work Area Traffic Control Handbook
- Additions and Amendments to the Standard Specifications for Public Works Construction

II. PROJECT HISTORY

In the City and County of Los Angeles, the presence of the unsheltered homeless population has been growing over the years, as well as homeless encampments. Because of this, in some areas of the city, access to public places, access routes, and businesses has been hindered, and although there are a growing number of support services to help the homeless find their way off the streets, more services are needed. The latest homeless count in the project area was completed by the Data and Research Unit of the Los Angles Homeless Services Authority. See *Table 1 – Homeless*

Population Count for the homeless population count prepared on September 16, 2018 for the area within 1.5 miles of the project site (Reference 3).

Table 1 – Homeless Population Count	
Homeless Population	**Within 1.5 miles**
Unsheltered	308
Sheltered	115
Total	423

Over the years, as the homeless population grew, other similar services to that of the project have developed in the general area (within 7 miles) of the proposed project, as listed in the Homeless Shelter Directory (Reference 4).

1) **Harbor Rose Lodge**, 1400 S. Gaffey St., Annex, San Pedro, CA 90731. This program provides homeless support services for individuals in Los Angeles County. Services include outreach program for individuals ages 17 to 24 and families with children. The program assists people with finding housing options and may assist with temporary housing as well.

2) **Shawl House**, 936 S. Centre St., San Pedro, CA 90731. This service provides support and shelter transitional housing for women. Shawl House provides a safe and supportive six month residential program for women who are beginning their recovery from addiction.

3) **House of Hope Inc.**, 235 W 9th St. San Pedro, CA 90731. This service provides emergency housing for homeless individuals in Los Angeles County called Interim Housing. The purpose of Interim Housing is to provide safe, stable housing for chronically homeless individuals who are waiting for available long-term housing.

4) **Los Angeles Shelter for Homeless and Pregnant Women and Girls**, 145 E 935 South St., Los Angeles, CA 90024. This shelter is aimed at taking in pregnant women who are homeless and are seeking refuge from problematic relationships.

5) **Beacon Light Mission Beacon Light Mission** 525 Broad Ave, Wilmington, CA 90744. This program provides a seven day emergency shelter.

6) **Doors of Hope Women's Shelter**, 529 Broad Ave, Wilmington, CA 90744. This program provides a seven night emergency shelter for single homeless women. It includes showers, laundry facilities, clean clothing, and meals.

7) **Beyond Shelter - Homeless Services**, 401 E Ocean Blvd, Suite 202, Long Beach, CA 90802. This program provides a variety of support services for homeless and low-income families in Los Angeles County. Services are targeted, but not restricted, to families with children age eighteen and younger. Services include case management, housing services and technical assistance.

8) **New Image Emergency Shelter**, 2814 W. Martin Luther King Blvd, Los Angeles, CA 90008. The mission of New Image is to decrease and prevent homelessness throughout Los Angeles County by providing comprehensive case management, supportive services, housing, job search and placement, outreach, and referral services.

9) **Long Beach Rescue Mission Samaritan House and Services for Men**, 1335 Pacific Ave, Long Beach, CA 90813. Samaritan House is a program that offers services for homeless men. The shelter locations offer more than 63,000 nights of safe shelter to those in need.

10) **Long Beach Rescue Mission Services For Women and Children Lydia House**, 1430 Pacific Ave. Long Beach, CA 90803. This services offers a fifty bed shelter to help homeless individuals in need. Lydia House also assists in finding more acute care facilities while striving to move all guests into semi-permanent housing.

The above services are local and provide similar services as those of the proposed project, such as educational and vocational support, training, job placement, hygiene, housing referrals, etc.

III. ENVIRONMENTAL REVIEW

A. Basis for Categorical Exemption

A Project qualifies for a *State CEQA Guidelines Section 15332 (Class 32)* exemption if it consists of projects characterized as infill site development and meets the five (5) conditions described as follows:

(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with the applicable zoning designation and regulations:

The project site includes a parcel that is composed of three lots. The site property is

located within the San Pedro Community Plan Area of the City of Los Angeles in Council District 15 (CD 15) at 407, 421 and 437 North Beacon Street, San Pedro, CA, 90731, Assessor's Parcel Number (APN) 744-900-7900. The three lots are owned by the State of California and are currently the southerly portion of the CALTRANS Harbor Beacon Park and Ride surface parking lot. The project site is zoned C2-2D-CPIO with a Community Commercial land use. The Mayor and the City Council have declared a shelter crisis within the City of Los Angeles. Per LAMC Section 12.80, a shelter for the homeless may be established and operated on property owned or leased by the City of Los Angeles in any zone as a matter of right without regard to the number of beds or number of persons served. As such, this project is consistent with the applicable general plan designations. Other specific zoning, policies, and requirements are detailed below as well as consistency therewith:

ZI–2452 Transit Priority Areas (TPAs) - The project is a residential public service facility with case management offices, that provides temporary emergency homeless housing on a commercially zoned lot within a Transit Priority Area (TPA). Parking impacts, visual resources, aesthetic character, shade and shadow, light and glare, and scenic vistas or any other aesthetic impact as defined in the *City's CEQA Threshold Guide* shall not be considered an impact when the use is residential on an infill site within a TPA pursuant to CEQA. However, these CEQA elements have been analyzed within this CEQA Class 32 exemption with no significant effect; there are no known unusual circumstances. As such, this project is consistent with the applicable TPA designation and regulations.

ZI-2130 – Harbor Gateway Enterprise Zone/Employment and Economic Incentive Program Area (EZ) - Enterprise Zones are specific geographic areas designated by City Council resolution, and have received approval from the California Department of Commerce under either the Enterprise Zone Act Program or Employment and Economic Incentive Act Program. The Federal, State and City governments provide economic incentives to stimulate local investment and employment through tax and regulation relief and improvement of public services.

Except for the Downtown Business District parking area described in LAMC Section 12.21A4(i), projects within EZs, as listed in Section 12.21A4(x)(3), may utilize a lower parking ratio for commercial office, business, retail, restaurant, bar and related uses, trade schools, or research and development buildings thus increasing the buildable area of the parcel which is critical in older areas of the City where parcels are small. The project location is currently the CALTRANS District 7 *San Pedro II* Park and Ride lot, which is a parcel comprised of eight (8) lots. The project site encompasses the three (3) southern lots of this large parcel. Based on a parking utilization survey for the project, is was determined that the project will not result in the diversion or shift of vehicles during the peak hours and a sufficient number of parking spaces will be provided to accommodate for the project parking demand. Therefore, there is plenty of parking on the Park and Ride lot that abuts to the north of the project site. Therefore, parking relief is not necessary for this project.

Furthermore, the FAR for the Project will be approximately 0.34, therefore the Project does not need FAR relief. As such, this project is consistent with the applicable Enterprise Zone designation and regulations.

ZI 2478 – San Pedro Community Plan Overlay District (San Pedro CPIO)

On June 26, 2018, Ordinance No. 185539 became effective establishing the San Pedro CPIO. The Ordinance establishes and adopts boundaries for the San Pedro CPIO District and thirteen subareas, and adopts use and development regulations for properties within the boundaries of these thirteen subareas. The Mayor and the City Council have declared a shelter crisis within the City of Los Angeles. Per LAMC Section 12.80, a shelter for the homeless may be established and operated on property owned or leased by the City of Los Angeles in any zone as a matter of right without regard to the number of beds or number of persons served. As such, this project is consistent with the San Pedro CPIO.

(b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses:

The project location is a parcel identified as APN 744-900-7900 that has eight (8) lots. The project site is the three (3) most southern lots of this parcel, located wholly within an urban area of the City of Los Angeles and is approximately 1 acre in size. The project site is approximately 50,940 sf and is zoned C2-2D-CPIO with a Community Commercial land use. The project site is located on a street that is off of an existing scenic highway. Surrounding parcels are zoned commercial and residential. Multi-family residential properties are developed adjacent to the project site on the west, commercial developments are present to the south and east sides of the project site, and the northern portion of the site's APN is occupied by a Park and Ride facility. These are all urban uses that surround the property. Since the site is in an urban environment, with commercial zoning, and in a highly urbanized area within the San Pedro Community Plan area of Los Angeles, it is considered to be substantially surrounded by urban uses.

Because the project occurs within city limits and is on a project site of no more than five acres and is substantially surrounded by urban uses, the project is consistent with this second condition for a qualified in-fill project.

(c) The project site has no value as habitat for endangered, rare or threatened species:

BIOLOGICAL RESOURCES

The site is in a highly urbanized area, previously developed, mostly paved and is not in a wildland area or wildland corridor. In addition, the site is not mapped within a Los Angeles County Significant Ecological Area as referenced in the San Pedro Community Plan (Reference14). Special-status wildlife species are listed by United States Fish and Wildlife Service (USFWS) under the Federal Endangered Species Act (FESA) and

by the California Department of Fish and Wildlife (CDFW) under the California Endangered Species Act (CESA). USFWS officially lists species as either threatened, endangered, or as candidates for listing. A biological screening assessment was conducted for this project and findings are included in *Attachment B. Biological Information*. A total of twenty seven plant species were identified from the database searches of the San Pedro and surrounding three quad maps, and from an on-line review of the USFWS Information for Planning and Consultation (IPaC) database for the project area, including three federal and/or State-listed plant species; salt marsh bird's beak (*Chloropyron maritimum ssp. maritimum*), California orcutt grass (*Orcuttia californica*), and Lyon's pentachaeta (*Pentachaeta lyonii*). No special-status plant species were observed during the site survey nor have they been recorded from within the project site. The project site does not contain suitable habitat for any of these species, and as a result they are not anticipated to occur within the project site Per the biological screening assessment in *Attachment B. Biological Information*, the project site does not provide habitat potentially suitable for any special-status (endangered, rare or threatened species) plants or wildlife, nor have any such species been recorded from within the project site or observed during the site survey. It should also be noted that no sensitive natural or aquatic communities occur on-site.

Fourteen (14) trees were identified in the project site during the field survey, primarily occurring along the south east perimeter of the existing parking lot, with four trees occurring in a landscaped island in the interior of the parking lot. Trees on-site are common non-native ornamental species, Eight Chinese Flame trees (*Koelreuteria bipinnata*) are located in the southeast corner of the project site, and appear to have been planted during the same time frame. Several London Plane trees (*Platanus x acerifolia*) are located within planters in the middle of the project site, oriented in a north-south alignment. One Brazillian pepper (*Schinus terebinthifolius*) is located in the southwest corner of the project site. Wildlife species observed within the project site and surrounding area included seven species typical of urban environments. Five bird and two insect species were detected, including American crow (*Corvus brachyrhynchos*), Western gull (*Larus occidentalis*), house sparrow (*Passer domesticus*), house finch (*Haemorhous mexicanus*), and Anna's hummingbird (Calypte anna). No bird nests or nesting activities were observed on the project site. Two species of ants, the native California harvester ant (*Pogonomyrmex californicus*), and the introduced and highly invasive Argentine ant (*Linepithema humile*), were common on-site. No special-status wildlife species were observed during the survey.

No natural trees (established prior to past development) or trees protected by the City Tree Ordinance are located onsite. Up to five trees will be removed for site development but will be replaced after the temporary use is completed.

Additional species receive federal protection under the Bald Eagle Protection Act (e.g., bald eagle, golden eagle), the Migratory Bird Treaty Act (MBTA), and state protection under CEQA Section 15380(d). For the species that receive federal protection under the Bald Eagle Protection Act (e.g., bald eagle, golden eagle), the Migratory Bird Treaty Act (MBTA), and state protection under CEQA Section 15380(d), RCMs are in place to

protect these species. To comply with the RCMs, if construction occurs during these species' mating season (generally Feb. 15th to Sept. 1st), tree canopies are inspected 3 days prior to construction to ensure that no active migratory bird nests are present. The inspection period and actual inspections are set and made by a qualified professional (biologist or experienced Urban Forrester). As determined necessary by the professional, follow-up RCMs may include weekly nest monitoring by the qualified professional or avoidance radii established by the professional until the birds are no longer present. These standard RCMs, which are a part of the MBTA ensure there will be no impact to migratory birds or other protected birds.

As referenced in some of the previous sections, comprehensive regulations and standards have been established by federal, state, and local agencies to protect and conserve biological resources:

Federal Regulations and Standards
- *Federal Endangered Species Act (FESA)*
- *Migratory Bird Treaty Act (MBTA)*
- *Clean Water Act (CWA)*

State Regulations and Standards
- *California Fish and Game Code (CFGC)*
- *Porter-Cologne Water Quality Control Act*
- *California Environmental Quality Act (CEQA)*

Local Regulations and Standards
- *Significant Ecological Areas (SEA) Program – County of Los Angeles*
- *City of Los Angeles Tree Ordinance*

With compliance to standard regulations in regards to the avoidance and minimization of potential impacts to protected migratory and other protected birds, the proposed project is not anticipated to conflict with any of the regulations and standards above and, therefore, is compliant with the relevant regulations and standards listed.

Because no habitat for endangered, rare, and threatened species exist onsite and with the application of RCMs as described, this project is consistent with the third condition that qualifies the project for an in-fill project for exemption.

(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality:

(d)1. TRANSPORTATION

A traffic screening evaluation was conducted in October 2018 to evaluate the potential traffic impacts of the proposed project. The project site is located in the eastern portion of the San Pedro community of the City of Los Angeles. The project site is the southern three (3) lots of a larger parcel comprised of eight (8) lots that is used as a CALTRANS

Park and Ride lot. The project site is generally bounded by the Harbor I-110 Freeway Harbor Boulevard offramp to the north, O'Farrell Street to the south, Palos Verdes Street to the west and Harbor Blvd to the east, which is an Avenue I city designated scenic highway (i.e., right of way width of 100 feet and roadway width of 70 feet) in the City of Los Angeles Mobility Plan. This analysis includes a project study area that is based on LADOT MOU requirements for the project.

The project will temporarily convert three southern lots of a CALTRANS *San Pedro II* Park and Ride lot into a bridge housing facility. There is 108 parking spaces on the three lots. The project site is located approximately 959 feet south of the Harbor I-110 Freeway, just west of Harbor Drive. The project is located in a Transit Priority Area. The lot itself is a transit stop. Regional transit access to and from the site to Downtown Los Angeles Union Station is via the Metro Silverline bus that travels up the I-110 Freeway. Harbor Drive has a bicycle path and a protected bike lane that provides north and south access to other bicycle paths in the project vicinity. Existing pedestrian access is provided along Beacon Street and O'Farrell Street via sidewalks on both sides of the street.

State Regulations: The Los Angeles Congestion Management Program (CMP) is a state-mandated program enacted by the State Legislature with the passage of Proposition 111 in 1990, administered by the Los Angeles County Metropolitan Transportation Authority (Metro). The purpose of the CMP is to develop a coordinated approach to managing and decreasing traffic congestion by linking the various transportation, land use, and air quality planning programs throughout the County. One required element of the CMP is a process to evaluate the transportation and traffic impacts of large projects on the regional transportation system. That process is undertaken by local agencies, project applicants, and traffic consultants through a transportation impact report usually conducted as part of the CEQA project review process.

The 2010 Congestion Management Program (CMP) for the County (adopted October 28, 2010) was developed in part to link local land use decisions with their impacts on regional transportation. The CMP identifies a system of highways and roadways, with minimum levels of service performance measurements designated at LOS E (unless exceeded in base year conditions) for highway segments and key roadway intersections on this system. A traffic impact analysis (TIA) is required for projects that generate at least 50 new trips at CMP intersections during the peak hour or 150 trips to mainline freeway locations. The analysis must: investigate measures which will mitigate the significant CMP system impacts; develop cost estimates, including the fair share costs to mitigate impacts of the proposed project; and, indicate the responsible agency. Selection of final mitigation measures is left at the discretion of the local jurisdiction. Once a mitigation program is selected, the jurisdiction self-monitors implementation through the existing mitigation monitoring requirements of CEQA.

Local Regulations: The City updated the *Transportation Element of the City's General Plan,* now referred to as Mobility plan 2035 (MP 2035), to reflect policies and programs that will lay the policy foundation for safe, accessible, and enjoyable streets for pedestrians, bicyclists, transit users, and vehicles throughout the City of Los Angeles.

The MP 2035 and Final EIR were adopted on August 11, 2015 and is compliant with the 2008 Complete Streets Act, which mandates that the circulation element of a city's General Plan be modified to plan for a balanced, multimodal transportation network that meets the needs of all users of streets, roads, and highways, defined to include motorists, pedestrians, bicyclists, children, person with disabilities, seniors, movers of commercial goods, and users of public transportation, in a manner that is suitable to the rural, suburban or urban context of the general plan.

The Mobility Element includes a discussion of the existing roadway infrastructure in the City of Los Angeles. Goals, objectives and policies are included in the transportation element to ensure the efficient circulation with the city and region.

Methodology: Evaluation of project traffic operation impacts is based on the most recent version of the Los Angeles Department of Transportation (LADOT) Transportation Impact Study guidelines and the generic approach to traffic studies for temporary homeless bridge housing projects and permanent homeless shelter/navigation facilities documentation provided by LADOT. As indicated in the guidelines, the first step is to contact the designated LADOT liaison to initiate the Memorandum of Understanding (MOU) process in order to determine traffic analysis needs for the proposed project. A LADOT Transportation Impact MOU acknowledges that the Transportation Impact Study for the project shall be prepared in accordance with the latest version of the LADOT *Transportation Impact Study Guidelines (LADOT Guidelines) (Reference 13).* The LADOT MOU scope of work for the traffic impact analysis is included in the traffic screening evaluation.

Thresholds: The *City's CEQA Thresholds Guide's* screening criteria is to analyze if the project will generate and/or cause a diversion or shift of 500 or more daily vehicle trips and 43 vehicles or more during a.m. and p.m. peak hours on the street system, above which, LADOT requires further study to determine impacts.

Based on coordination with LADOT, the following criteria have been established to determine the level of traffic impact analysis needed for the *LADOT Guidelines* Permanent Supportive Housing/Special Needs affordable housing project type:

- If the project generates less than 43 a.m. or p.m. peak hour vehicle trips or 500 vehicles per day, a Technical Memorandum shall be prepared.
- If the project is likely to generate 25 to 42 a.m. or p.m. vehicle trips, then analysis at the adjacent signalized intersection(s) shall be conducted.
    - Because these projects are expected to be constructed and occupied within a year, the analysis should evaluate Existing and Existing plus Project conditions and there would be no need for related projects.
- If the project is likely to add less than 25 a.m. or p.m. peak hour vehicle trips, evaluation of potential project impacts at adjacent signalized intersection(s) is not required.

Trip Generation: Per the LADOT MOU, the calculation of project trips for the proposed project is based on the trip rates for the Permanent Supportive Housing/Special Needs affordable housing type included in the *LADOT Guidelines*. As shown in the *LADOT Guidelines*, the rate applies for the number of dwelling units. The *LADOT Guidelines*

allow the use of the number of beds on a site that can be utilized in lieu of the number of dwelling units for the purpose of evaluating the proposed project, and thus those rates have been applied to this project for determining the anticipated trips generated during operations. The total number of beds provided for the proposed project is 102. *Tables 2 – Trip Rates* and *Table 3 – Operations Trip Generation* provide a summary of the permanent supportive housing/special needs trip rates and calculated trip generation for the operations of the proposed project.

Table 2 - Trip Rates

Land Use	Source	Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Permanent Supportive Housing / Special Needs	LADOT[1]	DU/Beds	1.27	0.05	0.07	0.12	0.07	0.05	0.12

[1] *LADOT Transportation Impact Study Guidelines, December 2016*

Parking: Currently, the entire Park and Ride parking lot (including the project site and project location, adjacent to the project site) has approximately 280 parking spaces. As discussed above, the parking lot is utilized as a park and ride lot for Caltrans and occasional staging area for construction equipment and trailers by both Caltrans and Port of Los Angeles. The project is proposed to be placed on the southern portion of this parking lot. With the construction of the proposed project approximately 130 parking spaces are anticipated to be displaced maintaining approximately 150 parking spaces.

Evaluation of Existing Parking Operation

A parking utilization survey was conducted at the project site during a 12-hour period (7:00 a.m. to 7:00 p.m.) on Tuesday, October 23, 2018 by National Data & Surveying Services (NDS) to determine and understand the utilization of the project site (park and ride lot). It should be noted that on the day the parking survey was conducted, it was observed that a portion of the parking lot was closed resulting in only 164 parking spaces available from the total of 280 spaces. Although not all the parking spaces were available during the survey, the survey is assumed to be valid and not affected by the partial closure due to the resulting parking demand falling below the remaining available spaces. Since a sufficient number of parking spaces are still available, it is assumed that the resulting parking demand would represent a typical utilization of the parking lot.

Only 164 parking spaces were available on-site (158 regular and six handicap spaces) on the day of the parking survey. During the a.m. peak period (7:00 a.m. to 9:00 a.m.), 34 to 42 of the 164 parking spaces were occupied resulting in utilization ranging from 21 percent to 26 percent. Similarly, during the p.m. peak period (4:00 p.m. to 6:00 p.m.), 23 to 29 of the parking stalls were occupied resulting in a utilization ranging from 14 percent to 18 percent. The time period between 8:00 a.m. and 8:30 a.m. shows the

maximum number of parking stalls occupied (42 spaces) resulting in a utilization of 26 percent. There was no time during the survey period that parking exceeded one-third of the available spaces.

Based on the parking utilization survey, it was determined that the project will not result in a diversion or shift of vehicles during the peak hours and a sufficient number of parking spaces will be provided to accommodate for the parking demand. The project proposes to maintain approximately 150 parking spaces on-site. The number of parking spaces provides sufficient parking on-site to accommodate the highest parking demand of 42 vehicles during the a.m. peak hour. Furthermore, based on the highest parking demand, parking spaces are anticipated to be available for construction equipment and trailer staging. Therefore the proposed project would have no significant secondary effect (parking) related to transportation. A summary of the parking utilization survey is summarized in *Table 4 - 515 N. Beacon St, San Pedro Parking Lot Survey* in *Attachment C. Traffic Information*.

Construction: Project construction is anticipated to occur five days a week between the hours of 7:00 a.m. to 4:00 p.m., and is projected to commence in the middle of July 2019 and be completed by end of November 2019; this results in approximately four months of construction. The estimated number of construction workers ranges from eight (average) to 10 (maximum). Total number of trucks is a maximum of four trucks per day. Staging areas will be located on-site and construction truck routes will be along Harbor Boulevard.

Project construction traffic will be composed of the combined number of trucks expected for each construction activity and employee vehicles. *Table 3 - Maximum Number of Construction Vehicles per Construction Activity* provides a summary of the anticipated construction traffic for each of the construction activities. For the purposes of this analysis, the maximum number of employees (10) has been assumed and construction truck volumes have been converted to passenger car equivalent (PCE) volumes utilizing a factor of 3 passenger cars per truck. As shown in the table, it is anticipated that the maximum number of vehicles during the construction period is 14 during the grading stage of construction with a PCE adjusted volume of 22 vehicles. Based on these anticipated construction traffic volumes and the vehicle volume thresholds indicated above, no further analysis is required at adjacent signalized intersection(s) according to LADOT guidelines. The construction of the proposed project would not have a significant temporary effect related to transportation.

Project construction traffic will be composed of the combined number of trucks expected for each construction activity and employee vehicles. *Table 3 - Maximum Number of Construction Vehicles per Construction Activity* provides a summary of the anticipated construction traffic for each of the construction activities. For the purposes of this analysis, the maximum number of employees (10) has been assumed and construction truck volumes have been converted to passenger car equivalent (PCE) volumes utilizing a factor of 3 passenger cars per truck. As shown in *Table 3 - Maximum Number of Construction Vehicles per Construction Activity*, it is anticipated that the maximum number of vehicles during the construction period is 14 during the grading stage of construction with a PCE adjusted volume of 22 vehicles. Based on these anticipated

construction traffic volumes and the vehicle volume thresholds indicated above, no further analysis is required at adjacent signalized intersection(s) according to LADOT guidelines. The proposed project is not anticipated to have significant temporary adverse impacts related to transportation.

Table 3 - Maximum Number of Construction Vehicles per Construction Activity					
Construction Activity	**Demolition**	**Trenching**	**Grading**	**Paving**	**Modular Building Installation**
Trucks –Vehicle Volume	2	2	4	2	0
Trucks – PCE Volume[1]	6	6	12	6	0
Auto	10	10	10	10	10
Total (Truck Vehicle + Auto)	*12*	*12*	*14*	*12*	*10*
Total (Truck PCE + Auto)	*16*	*16*	*22*	*16*	*10*

[1] *Truck vehicle volume has been converted to passenger car equivalent (PCE) volume using a PCE factor of 3 passenger cars per truck.*

Operations: As shown in *Table 4 – Operations Trip Generation* the proposed project is anticipated to generate 14 a.m. peak hour vehicle trips, 14 p.m. peak hour vehicle trips, and 130 vehicle trips per day. These projected vehicle trips for the proposed project fall below the 25 a.m. or p.m. peak hour vehicle trip thresholds indicated in the criteria above; therefore, no further analysis is required at adjacent signalized intersection(s) according to LADOT guidelines. Based on this determination, the proposed project would have no significant effect related to transportation. The approved LADOT MOU is included in *Attachment C. Traffic Information.*

Table 4 - Operations Trip Generation								
Land Use	**Quantity (Beds)**	**Daily**	**AM Peak**			**PM Peak**		
			In	**Out**	**Total**	**In**	**Out**	**Total**
Beacon Street Bridge Housing	102	127	5	7	12	7	5	12

Therefore, no significant effect to direct or indirect transportation and traffic resources is anticipated. In addition, after review of project information and associated technical

analyses, no unusual circumstances are known to this office that would cause a significant effect due to unusual circumstances. Therefore, this exception has no application here.

(d)2. **NOISE**

A Noise and Vibration screening study conducted in October 2018. This study will help inform the CEQA analysis required for the proposed use. The noise sensitive land uses (NSLUs) within 500 feet of the site include residences to the west approximately 70 feet away from the project site and the nearest church is approximately 222 feet north of the project site. The site is in a highly urbanized area, currently developed with a transit park and ride lot. See *Figure 11 – Noise Sensitive Land Uses Within 500 Feet and Noise Monitoring Locations.*

The site is in a highly urbanized densely populated area, currently developed as part of the CALTRANS Harbor Beacon Park and Ride lot and mostly impervious with the exception of a perimeter landscaping. The project site consists of the southerly portion of a fenced paved parking lot with security lighting. *Noise and Vibration Characteristics and Effects:* Please refer to the screening analysis in *Attachment D. Noise Information* for details about Noise and Vibration Characteristics and Effects.

Federal and State Noise Standards: Please refer to the screening analysis in *Attachment D. Noise Information* for details about the Federal and State Noise and Vibration Noise Standards.

Local Regulations and Standards: The proposed project is within the jurisdiction of the City of Los Angeles. The City of Los Angeles has established policies and regulations concerning the generation and control of noise that could adversely affect its citizens and noise-sensitive land uses.

City of Los Angeles Municipal Code (LAMC)

Los Angeles Noise Ordinance (LAMC): The City of Los Angeles Municipal Code, Chapter IV, Article 1, Section 41.40; and Ordinance No. 161,574 (The City Noise Ordinance) address noise generated at construction sites, including permissible hours of construction. In addition, operational noise from both stationary and mobile sources is regulated by the City.

The City Noise Ordinance states that construction and industrial machinery shall not exceed a maximum of 75 dBA at a distance of 50 feet to a residentially zoned property or within 500 feet thereof, except where compliance is technically infeasible. In addition, construction activities are restricted during different hours of the day - no person shall perform any construction or repair work that makes loud noises that disturb persons occupying sleeping quarters in any place of residence between the hours of 9:00 p.m. of one day and 7:00 a.m. of the following day.

As described in the project description, the project design shall comply with a construction management plan that includes project design conditions, as necessary, to protect the health, safety, or convenience of affected sensitive receptors, located in the

neighborhood that surrounds the project. The construction management plan and appropriate design conditions have been included from the *City of Los Angeles, Bureau of Engineering, Master Specifications, Division 01, General Requirements, Section 01562, Part 1.1.C.* These general requirements include temporary noise barriers and other general conditions to control construction noise and vibration, as needed, as listed below and in the described specification:

1) Locate stationary construction equipment (e.g., generators or air compressors) as far as possible from the nearest NSLU;
2) To the extent practical, locate and orient construction equipment and/or material storage trailers so that they occlude direct sound paths between onsite noise construction activities and nearby NSLU positions;
3) Install temporary sound walls, including a 32-foot tall wall along the western project boundary, or comparable barriers along the property boundary to occlude direct sound paths between construction activities and the nearby NSLU in the surrounding community;
4) Ensure that fuel-burning powered equipment and vehicles have installed and properly functioning factory approved air intake filtration, engine housings, sound-attenuated heat radiators, and combustion exhaust mufflers so that emitted noise levels (e.g., Lmax at 50 feet) are consistent with LAMC 112.05 expectations;
5) Prohibit construction activity (including deliveries, equipment maintenance, or operation of any construction equipment) at the proposed project site before 7:00 a.m. or after 9:00 p.m. Monday through Friday, before 8:00 a.m. or after 6:00 p.m. on any Saturday or national holiday, or at any time on Sunday;
6) Use low-noise construction equipment;
7) Ensure that all mobile and stationary noise-producing construction equipment used on the proposed project site that is regulated for noise output by a local, state, or federal agency complies with such regulation while in the course of project activity;
8) Schedule high noise-producing activities during periods of time that are least sensitive;
9) Switch off construction equipment when not in use;
10) Restrict usage of noise-producing signals (including horns, whistles, alarms, and bells) to safety warning purposes; and
11) Reduce construction vehicle trips.

Design methods that can be considered to further lower operations noise levels may include, but are not limited to:

1) Selection of mechanical equipment designed to produce low noise levels. This includes the mechanical (i.e., heating, ventilation, air-conditioning [HVAC]) equipment for heating and cooling interior spaces; specifically, the two air handling units to include typical interior cabinet lining to help attenuate the fan noise generation within by 10 dBA;
2) Locating mechanical equipment inside the building or shielding it with screens, walls (including parapet walls for rooftop equipment), acoustical louvers, or other noise control devices;

3) Designing the building shell to contain noise within the building. This includes proper specifications for windows, doors, and ventilation systems;
4) Limiting the maximum noise levels that may be produced by activities within the project;
5) Orienting doors, windows, and other openings away from NSLUs. Where windows or emergency doors need to be oriented toward homes or other noise-sensitive uses, ensure they remain closed when not in use; and
6) Considering all of the above noise control methods in the final architectural and engineering designs and specifications for project construction.

Thresholds: According to the *L.A. CEQA Thresholds Guide* (2006), a project would normally have a significant construction noise impact if:

- Construction activities lasting more than one day would exceed existing ambient exterior noise levels by 10 dBA or more at a noise sensitive use;
- Construction activities lasting more than 10 days in a three-month period would exceed existing ambient exterior noise levels by 5 dBA or more at a noise-sensitive use; or
- Construction activities would exceed the ambient noise level by 5 dBA at a noise sensitive use between the hours of 9:00 p.m. and 7:00 a.m. Monday through Friday, before 8:00 a.m. or after 6:00 p.m. on Saturday, or at any time on Sunday.

According to the *L.A. CEQA Thresholds Guide* (2006), a project would normally have a significant operational noise impact if the project causes:

- The ambient noise level measured at the property line of affected uses to increase by 3 dBA in CNEL to or within the "normally unacceptable" or "clearly unacceptable" category, or any 5 dBA or greater noise increase.

Additionally, the City Noise Ordinance Section 112.02 states that operational noise (e.g., HVAC equipment, etc.) shall not cause the noise level on the premises of any occupied property other than the site to exceed the ambient noise level by 5 dBA or more. This threshold is more conservative than the CEQA Thresholds Guide's option of 5 dBA or more, in that the noise increase is measured at the nearest occupied property rather than the nearest sensitive land use (i.e., NSLUs or affected use). Therefore, LAMC Section 112.02 is being used for an operational noise threshold in this assessment. The LAMC Section 112.04 also restricts excess mechanical noise between the hours of 10:00 p.m. and. 7:00 a.m. of the following day in residential zones and within 500 feet of a residential zone. Excess noise during this period is defined as loud, raucous or impulsive sound. This is also being used as a nighttime qualitative threshold.

Construction-related noise was analyzed using data and modeling methodologies the Federal Highway Administration's (FHWA's) Roadway Construction Noise Model (RCNM) (FHWA 2006, 2008), which predicts average noise levels at nearby noise sensitive receptors by analyzing the type of equipment, the distance from source to receptor, usage factor, and the presence, or absence, of intervening shielding between source and receptor. This methodology calculates the composite average noise levels for multiple equipment items. The source-to-receptor distances used in the analyses

were the acoustical average distances between the relevant construction area and each receptor. The acoustical average distance is used to represent noise sources that are mobile or distributed over an area (such as the project site); it is calculated by multiplying the shortest distance between the receiver and the noise source area by the farthest distance and then taking the square root of the product. Construction is expected to require the general equipment types shown in See *Attachment D. Noise Information, Table 1 – Construction Noise Levels* for each equipment type and the corresponding average noise level at 50 feet is shown.

Construction: Based on the measured noise levels, the proposed project area has an exterior daytime noise of 55 dBA. During the construction period, the projected construction activity noise levels have been calculated to be 57 dBA at 50 feet. *Table 5-Estimated Construction Noise Levels at Noise Sensitive Land Uses* presents the estimated noise levels for project construction. Because none of the projected construction noise levels exceed the exterior daytime ambient sound by more than 5 dBa, , the project is anticipated to have no significant effect to construction noise as CEQA impact thresholds are not expected to be exceeded.

In addition, as further explanation included in *Attachment D. Noise Information*, short term ambient noise levels were monitored and construction noise levels will be below CEQA thresholds of less than a 5 dBA increase at noise sensitive receptors, therefore no significant effects to noise are anticipated.

Table 5 - Estimated Construction Noise Levels at Noise-Sensitive Land Uses by Construction Phase – with Standard Conditions of Approval (including temporary noise barriers)

Noise-Sensitive Land Use	Baseline Daytime Outdoor Ambient* (Leq, dBA)	Estimated 9-hour Workshift Leq (dBA) per Construction Phase					
		Demolition (3 days)	Grading (14 days)	Trenching (15 days)	Building Erection (4 months)	Finishes (TBD)	Re-paving (7 days)
410 N. Palos Verdes St. (first floor) [A]	55	54.7	54.9	54.7	52.4	50.7	52.7
422 N. Palos Verdes St. (first floor) [A]	55	55.7	56.0	55.7	53.5	51.7	53.8
434 N. Palos Verdes St. (first floor) [A]	55	54.7	54.9	54.7	52.4	50.7	52.7
434 N. Palos Verdes St. (second floor) [A]	55	59.1	59.3	59.1	56.8	55.1	57.1
336 N. Palos Verdes St. (first floor)	55	57.5	57.8	57.5	55.3	53.6	55.6
336 N. Palos Verdes St. (second floor)	55	57.4	57.6	57.4	55.2	53.4	55.5

Notes: dBA = A-weighted decibel; TBD = to be determined. * based on arithmetic average of ST-4 measured sound pressure levels as shown in Table 1. [A] includes effect of 32-foot tall noise barrier installed along the western project perimeter. The top height of the barrier (32 feet) and the expected source height (6 feet) are both with respect to the grade level (0 feet) of the proposed project site. The first floor and second floor NSLU elevations are 35 feet and 44 feet with relative to project grade, respectively.

Operations: Based on the measured ambient noise levels at various land uses within the study area and the expected noise sources associated with the operation of the proposed project, operations of the proposed bridge housing project is not anticipated to introduce any stationary noise sources likely to be audible beyond the property line of the project site. The proposed project will be designed and constructed so that all operational noise is controlled at the premises of any occupied property other than the site, to comply with the *Bureau of Engineering Regulatory Standard Specifications for Noise* and the standards of the LAMC. Please refer to *Table 6 – Estimated Operational Noise Levels at Occupied Properties.*

The combined operational noise levels from all on-site project noise sources will not exceed 49 dBA at any occupied property other than the project site during the daytime hours of 7:00 a.m. to 10:00 p.m. or 49 dBA at any occupied property other than the project site or 49 dBA at nearby noise sensitive land uses during the nighttime hours of 10:00 p.m. to 7:00 a.m. Per *Attachment D. Noise Information*, estimated operation noise levels at noise sensitive land uses at project stationary sources are not expected to produce noise levels that would cause significant increases to the outdoor ambient sound environment at the studied nearest representative noise land uses; thus, no specific noise reduction measures are needed. Therefore, no impact from operational noise are expected to exceed CEQA impact thresholds, as well as the local noise ordinance; therefore, this project will create no significant effect to noise.

Table 6 - Estimated HVAC Operation Noise Levels at Noise-sensitive Land

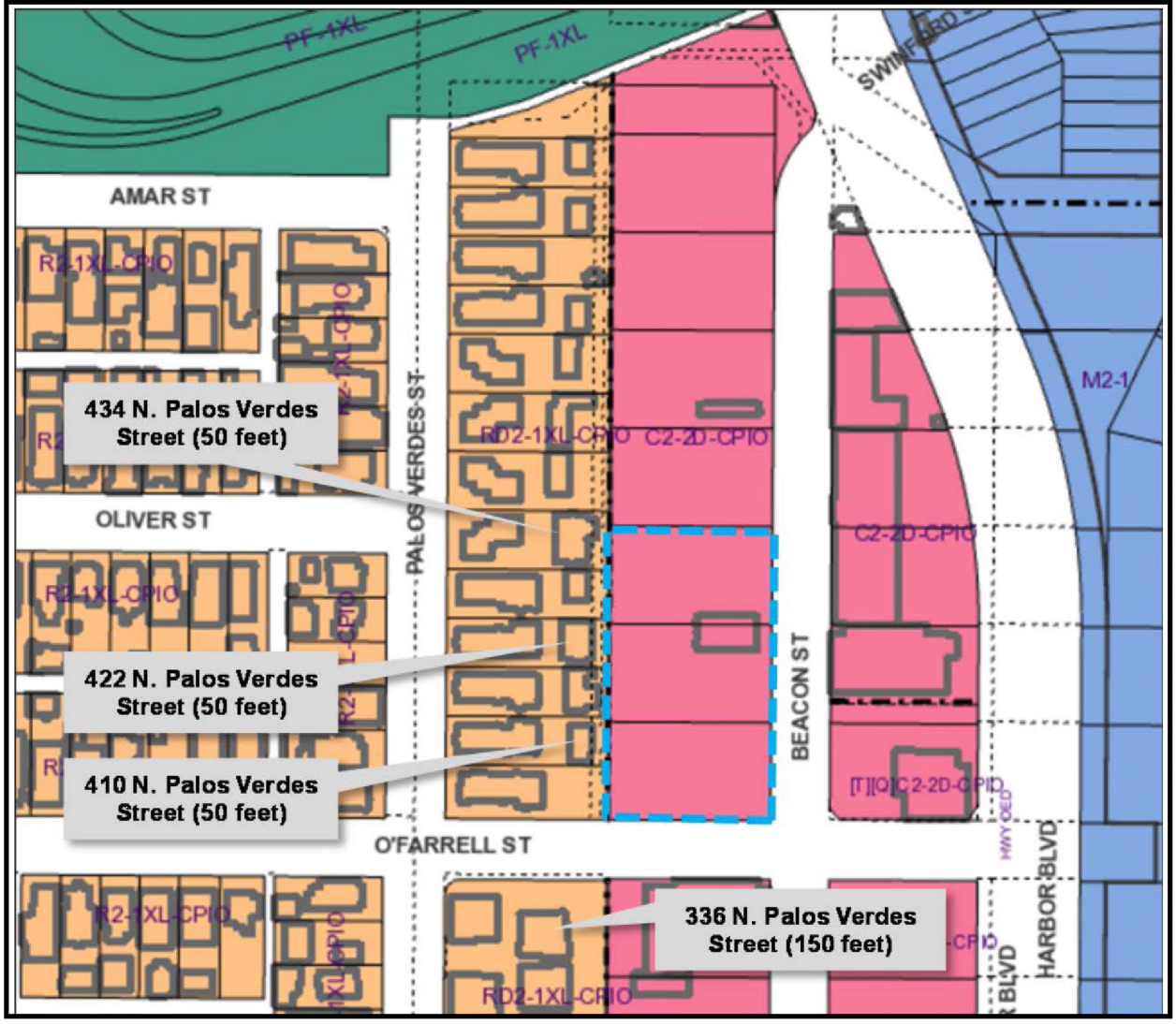
Noise-Sensitive Land Use	Baseline Nighttime Outdoor Ambient (Leq, dBA)*	Distance to HVAC Equipment (feet)	Estimated HVAC Noise Level at Occupied Property*	Compliant with LAMC 112.02 (increase in outdoor ambient < 5 dBA)?
410 N. Palos Verdes St. (first floor)	49	120	37	Yes
422 N. Palos Verdes St. (first floor)	49	120	37	Yes
434 N. Palos Verdes St. (first floor)	49	120	37	Yes
434 N. Palos Verdes St. (second floor)	49	125	37	Yes
336 N. Palos Verdes St. (first floor)	49	200	20	Yes
336 N. Palos Verdes St. (second floor)	49	205	20	Yes

Notes: L_{eq} = energy-equivalent sound level; dBA = A-weighted decibel; LAMC = Los Angeles Municipal Code * based on lowest measured L_{eq} value at LT-2 monitoring position.

.

Vibration: Anticipated ground vibration due to operation of construction equipment and vehicles on the proposed project site has been predicted with a technique based on the FTA "general assessment" method and available data for construction activities. Among the construction equipment and vehicles shown in *Table 1 of Attachment E. Air Quality/Green House Gas Information*, during several of the activities, loaded trucks would be expected to produce the largest magnitude of vibration. FTA guidance

Figure 3 – Noise and Vibration Sensitive Receptors



indicates that such equipment produces a reference vibration velocity level of 94 VdB at a distance of 25 feet. It is expected that this operating vibratory roller will be no closer than 50 feet to the residential NSLU on North Palos Verdes Street, due to the steep earthen slope and retaining wall between the proposed project and the nearest NSLU. The estimated vibration velocity level will be less than the 85 VdB threshold for annoyance. Therefore, operating equipment associated with construction of the project are not expected to result in significant annoyance at the nearest studied land use and no further vibration reduction measures would be necessary to comply with FTA-based

guidance. No impacts from construction vibration are anticipated. In addition, the following standard requirements will be incorporated into the design of the project per *Standard Public Works Specifications,* which will further reduce any vibration impacts from the project.

1. Operate heavy construction equipment at least 6 feet from nearby commercial buildings, wherever possible. Where a 6-foot buffer cannot be maintained, other methods will be used, such as smaller pieces of equipment or hand tools; and
2. As considered appropriate by the proposed project's structural engineer, monitor vibration levels during construction with measurements, observations, or other tests to check for presence of vibration-related issues.

As such, with appropriate design and use of standard specification, including construction management plan conditions, this project will not result in significant effects relating to noise or noise related impacts, such as vibration.

Figure 4 – Noise Measurement Locations (ST 1 and ST 2)



(d)3. AIR QUALITY

An Air Quality screening study was conducted in October 2018. The screening was conducted to evaluate potential air quality impacts at the proposed project. This assessment will help inform the California Environmental Quality Act (CEQA) analysis required for the proposed project. The air quality study area for onsite emissions is the project site and adjacent properties and public spaces where individuals would normally be expected to be present. The study area for offsite mobile-source emissions is the Air Basin.

The project site is located in San Pedro which is a southern coastal community of the City of Los Angeles. The project site lies at an elevation of approximately 95 feet on flat ground on the eastern edge of the San Pedro community just west of the Port of Los Angeles.

The project site is within the South Coast Air Basin (the Basin). The climate in the Basin is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. Detailed information about the regional environmental setting can be found in detail in *Attachment E. Air Quality/Green House Gas Resources Information.*

Sensitive Receptors: Sensitive receptors within 500 feet of the site include residences to the west approximately 70 to 500 feet away from the project site. Detailed information about sensitive receptors that have been established by federal agencies to protect air quality resources can be found in detail in *Attachment E. Air Quality/Green House Gas Resources Information.*

The Basin is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD monitors air quality within the Basin. The SCAQMD is tasked with preparing regional programs and policies designed to improve air quality within the SCAB, which are assessed and published in the form of the South Coast Air Quality Management Plan (SCAQMP). These plans are known as State Implementation Plans (SIPs). SIPs are comprehensive plans that describe how an area will attain national ambient air quality standards (NAAQS).

The California SIP is updated every four years to evaluate the effectiveness of the adopted programs and policies and to forecast attainment dates for nonattainment pollutants. The most recent publication is the 2018 SIP Update, which is intended to serve as a regional blueprint for achieving the federal air quality standards and healthful air. The 2018 SIP update represents a thorough analysis of existing and potential regulatory control options, and includes available, proven, and cost-effective strategies to pursue multiple goals in promoting reductions in GHG emissions and toxic risk, as well as efficiencies in energy use, transportation, and goods movement. The 2018 SIP Update focuses on demonstrating NAAQS attainment dates for the 2016 8-hour ozone (O_3) standard and the 2016 annual fine particulate matter less than 2.5 microns in diameter ($PM_{2.5}$) standard.

The primary purpose of an air quality plan is to bring an area that does not attain

NAAQS and California Ambient Air Quality Standards (CAAQS) into compliance with those standards pursuant to the requirements of the Clean Air Act and California Clean Air Act. NAAQS and CAAQS have been established for the following criteria pollutants: O_3, carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), respirable particulate matter less than 10 microns in diameter (PM_{10}), $PM_{2.5}$) and lead (P_b). Because O_3 is not directly emitted in the air—rather it is formed by chemical reactions between nitrogen oxides (NO_x) and volatile organic compounds (VOC) in the presence of sunlight—air quality regulations focus on ozone's precursors. These pollutants are common byproducts of human activities and have been documented through scientific research to cause adverse health effects. State regulatory programs also cover toxic air contaminants (TAC); some criteria air pollutants are also TACs or may include certain TACs in their general definition. In California, motor vehicle travel is a major source of TACs.

The City of Los Angeles General Plan Air Quality Element sets forth the goals, objectives, and policies which guide the City in the implementation of its air quality improvement programs and strategies.

> Goal AQ-1 of the Air Quality Element is to provide "good air quality and mobility in an environment of continued population growth and healthy economic structure." The following objectives are applicable to the Proposed Project:
>
> > Objective AQ-1.1: To reduce air pollutants consistent with the AQMP, increase traffic mobility, and sustain economic growth citywide.
> >
> > Objective AQ-1.3: To reduce particulate air pollutants emanating from unpaved areas, parking lots, and construction sites.

Please refer to the screening analysis in *Attachment E. Air Quality/Green House Gas Resources Information* for details of the regulatory setting, including references.

The California Air Pollution Control Officers Association's (CAPCOA) California Emissions Estimator Model (CalEEMod), Version 2016.3.2, was used to quantify emissions from anticipated construction and operations activities (CAPCOA, 2013). The CalEEMod model is approved by SCAQMD. CalEEMod uses emission factors for on-site and off-site emissions. Project construction-related and operation-related criteria air pollutant emissions were estimated using CalEEMod then compared to SCAQMD's Mass Daily Threshold (MST), a regional daily emission threshold for both on-site and off-site construction and operations activities and SCAQMD's Localized Significance Threshold (LST), a local threshold that only applies to construction-related and operations-related on-site emissions to determine significance. For projects less than five acres in area, the SCAQMD has developed look-up tables showing the maximum daily on-site emissions that would not cause an exceedance of any LST.

Mass Daily Threshold (MST), the regional daily emission significance thresholds for both on-site and off-site construction and operations activities for the project are listed in *Table 7 - Mass Daily Thresholds.*

Table 7 – Mass Daily Thresholds[a]		
POLLUTANT	**CONSTRUCTION**	**OPERATIONS**
NOX	100 lbs day	55 lbs day
VOC	75 lbs day	55 lbs day
PM10	150 lbs day	150 lbs day
PM2.5	55 lbs day	55 lbs day
SOX	150 lbs day	150 lbs day
CO	550 lbs day	550 lbs day
LEAD	3 lbs day	3 lbs day
a Source: SCAQMD CEQA Handbook (SCAQMD, 1993)		

The nearest sensitive receptors to the project site are single-family residences adjacent and to the west. Therefore, the analysis conservatively assumes a project site of two acre and a receptor distance of 25 meters for the LST values. Please note that the maximum daily regional emissions (i.e., combined on- and off-site emissions) would occur during the demolition phase and building construction phase for VOC, the demolition phase for NO_X, PM_{10}, and $PM_{2.5}$, and the grading phase for CO. In addition, the maximum localized emissions (i.e., on-site emissions only) would occur during the building construction phase for NO_X, grading phase for CO and the demolition phase for PM_{10}, and $PM_{2.5}$. Refer to *Attachment B - Air Quality/Green House Gas Resources Information* for additional details.

SCAQMD has developed Localized Significance Threshold (LST) methods to determine, without dispersion modeling, if a project would cause or contribute to an exceedance of the applicable ambient air quality standard. The LST methods are based on the maximum daily allowable construction-related and operations-related onsite emissions, the total area of the emissions source, the ambient air quality in each sensitive receptor in which the emission source is located, and the distance to the nearest exposed individual. For projects less than five acres in area, the SCAQMD has developed look-up tables showing the maximum daily on-site emissions that would not cause an exceedance of any LST. Proposed project on-site emissions should be less than the LST values in order for the proposed activity to not violate or substantially contribute to an existing or projected air quality standard.

The LST methodology was used in this anaylsis to assess localized on-site emissions of criteria air pollutants and precursors during construction and operation of the project. The LST analysis does not include off-site emissions from construction or operations vehicle travel on public roadways. SCAQMD's LST methods were used in this analysis to evaluate ambient air quality impacts from proposed project construction. The South

Coastal Los Angeles Sensitive Receptor Area 4 (SRA 4) thresholds were used for the project site as shown in *Table 8 – Localized Significant Threshold for SRA 4*.

The project site encompasses an area of approximately 1.7 acre; the LST analysis conservatively assumed a 2-acre site because that is the smallest site for which LSTs are available. Distance to the nearest sensitive receptor was assumed to be 25 meters because that is the smallest source-receptor distance provided for the LSTs; actual distances to nearby sensitive receptors would generally be greater than 25 meters.

Table 8 - Localized Significant Threshold for SRA 4 (lbs/day)

	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
Construction	--	82	842	--	7	5
Operations [1]	--	74	680	--	2	1

Source: TAHA 2018. Notes: [1]Assumes a 2-acre project site and a 25-meter receptor distance for Source Receptor Area 4. The nearest sensitive receptors are residences to the west of the project site. SCAQMD has not developed an LST for VOC emissions.

Construction Assumptions: Construction of the proposed project is expected to begin in July 2019, and would last approximately five months. The estimated construction workforce is a maximum of ten (10) workers per day. The analysis assumed a maximum of three vendor truck trips per day (i.e., equipment and materials delivery) and up to 20 truck trips per day to haul construction materials off-site. Grading activity would be minimal as the project site has previously been developed and is flat. Emissions were quantified for onsite construction equipment and offsite sources (haul trucks) transiting within the Air Basin. Estimated peak-day emissions assume overlaps of construction tasks, based on the anticipated construction schedule and equipment utilization. Mass daily combustion exhaust, fugitive dust (PM_{10} and $PM_{2.5}$) and motor vehicle travel to and from the site were modeled. Construction off-site emissions were estimated for worker commutes, haul trucks, and the use of off-road equipment.

Off-site emissions: Construction activity generated air pollutants activities include typical on-road vehicles including, but would not be limited to, flat bed and haul trucks, and asphalt trucks. These emissions sources would primarily use diesel fuel, emitting combustion exhaust gases such as VOC, CO, NO_X, sulfur oxides (SO_X), PM_{10}, and $PM_{2.5}$. Off-site emissions associated with vehicle trips to and from the project site during construction would be dispersed throughout the region and would have a nominal localized impact in the project site vicinity.

On-site emissions: The construction sequence of the proposed project would consist of mobilization, site preparation, site work, paving, finishing, and demobilization. Air quality could be impacted by combustion emissions from fossil-fueled off-road equipment and construction vehicles; volatile organic compound (VOC) emissions from applying asphalt, pavement markings, and architectural coatings; and road dust. Construction equipment for the activities described above could include, but would not be limited to, backhoes, generators, vehicles, paving machines, and air compressors. Paving and architectural coating activities would generate VOC emissions. Project construction on-

site emissions include exhaust, fugitive dust, particulate matter (PM_{10} and $PM_{2.5}$) from earthmoving activities, and vehicle trips to and from the project site for construction workers, material delivery and hauling.

Operations Assumptions: The operations of the project would generate a small number of motor vehicle trips, estimated to be less than 130 trips per day which will not exceed regional thresholds. Off-site operations-related emissions associated with the daily operations of the proposed project would result in a null generation of criteria pollutant and TAC emissions.

Off-site emissions: The operations day-to-day activity of the project after construction would generate off-site emissions from a variety of sources. The project would be used as a temporary homeless shelter. Operation-related mobile-source off-site emissions would primarily include vehicle trips by employees and homeless patrons to the facility.

On-Site emissions: The operations day-to-day activity of the project after construction would generate on-site emissions from a variety of sources. The project would be used as a temporary homeless shelter. Operational on-site emissions may be both direct and indirect emissions, and would be generated by area, mobile, and energy sources.

Construction: Project emissions were compared to the project-specific local emission LST threshold values in to determine the significance of project impacts. *Table 9 - Maximum Daily Construction-Related Emissions Summary* summarizes construction emissions for a peak construction day, on which the greatest number of construction equipment would be used. Construction activities for the proposed project would generate maximum daily emissions of approximately 0.8 pounds of VOC, 15.1 pounds of NOx, 5.8 pounds of CO, <0.1 pounds of SO_2, .4.3 pounds of PM_{10}, and 0.9 pounds of $PM_{2.5}$. Fugitive dust will be controlled per the applicable SCAQMD Rule 403, which applies to construction sites in the SCAB. Project emissions were compared to the project-specific LST values in *Table 9 - Maximum Daily Construction-Related Emissions (lbs./day)* to determine the significance of project impacts. *Table 9 - Maximum Daily Construction-Related Emissions (lbs./day)* shows that emissions from constructing the proposed project would not exceed any applicable local threshold; therefore, they the project would have no impact to air quality since it would not violate any air quality standard.

The data demonstrate that at no time during construction of the proposed project would maximum daily emissions exceed any applicable SCAQMD thresholds of significance for regional emissions. Regional air pollutant emissions generated by construction of the proposed project would not cause a violation of an air quality standard or contribute to an existing violation.

As shown in referenced *Table 9 - Maximum Daily Construction-Related Emissions (lbs./day)*, the peak daily construction emissions would not exceed any of the SCAQMD regional or local thresholds. Therefore, the project does not exceed the regional or local on-SCAQMD on-site or off-site construction emissions thresholds. Additional modeling assumptions and details are provided in *Attachment E. Air Quality/Green House Gas Resources Information*.

Table 9 - Maximum Daily Construction-Related Emissions Summary						
Emissions Parameter	**Emissions by Pollutant (lb/day)**					
	VOC	**NO_x**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
On-Site Construction, peak day	.7	7.4	4.3	<.1	3.3	.6
Off-Site Construction, peak day	.6	14	4.1	<.1	1	.3
SCAQMD Mass Daily Threshold, Construction[a]	75	100	550	150	150	55
Exceed Threshold?	NO	NO	NO	NO	NO	NO
SCAQMD Localized Significance Threshold[b], SRA 4, Construction	NA	82	842	NA	7	5
Exceed Threshold?	NA	NO	NO	NA	NO	NO
Source: TAHA 2018. Notes: [1]Assumes a 2-acre project site and a 25-meter receptor distance for Source Receptor Area 4. The nearest sensitive receptors are residences to the west of the project site. SCAQMD has not developed an LST for VOC emissions.						

Operations: The operations of the project would generate a small number of motor vehicle trips, estimated to be less than 130 trips per day which will not exceed regional thresholds. The estimated number of project-related vehicle trips would not exceed any SCAQMD daily thresholds, and thus would not cause a substantial change. Area sources that are anticipated to generate negligible local on-site operations emissions include electricity generated by offsite regional power plants that provide the ability to burn natural gas for space and water heating. Emissions from temporary operations of the proposed project would not exceed any applicable local threshold; therefore, they the project would have no significant effect to air quality since it would not violate any air quality standard.

Table 10 - Maximum Daily Operational Emissions						
Emissions Parameter	**Emissions by Pollutant (lb/day)**					
	VOC	**NO_x**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
On-Site Operations, peak day	.6	<.1	<.1	<.1	<.1	<.1
Off-Site Operations, peak day	.3	1.3	3.4	<.1	.8	.2
Total Operations, peak day	**.9**	**1.3**	**3.4**	**<0.1**	**0.8**	**0.2**
SCAQMD Mass Daily Threshold, Operation[a]	55	55	550	150	150	55
Exceed Threshold?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Max Localized Daily Emissions	--	<.1	<.1	--	<.1	<.1
SCAQMD Localized Significance Threshold[b], SRA 2 (lb/day), Operation	NA	74	680	NA	2	1
Exceed Threshold?	NA	**NO**	**NO**	NA	**NO**	**NO**
Notes: Source: TAHA 2018.						

Therefore, the project would result in construction and operational emissions that would not exceed the SCAQMD thresholds will not violate an ambient air quality standard or contribute substantially to an existing violation. Therefore, the project will result in no significant effect to air quality.

Health Risk: The SCAQMD devised its LST values to prevent the occurrence of localized hot spots of criteria pollutant concentrations at sensitive receptor locations surrounding the project site. The LST values were determined using emissions modeling based on ambient air quality measured throughout the SCAB. If maximum daily emissions remain below the LST values during construction activities, it is highly unlikely that air pollutant concentrations in ambient air would reach substantial levels sufficient to create public health concerns for sensitive receptors. As shown in *Table 10 - Maximum Daily Construction-Related Emissions Summary*, maximum daily emissions from sources located on the project site would not exceed any applicable LST values. Therefore, construction of the project would not result in exposure of sensitive receptors to substantial concentrations of criteria pollutants.

Furthermore, according to SCAQMD methodology, health risks from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of TACs over a 30-year lifetime will contract cancer based on the use of standard risk-assessment methodology. Construction of the proposed project would only last for approximately five months, and construction equipment would be in use for a total of no more than eight weeks throughout this time. Therefore, it was assumed that the exposure duration for residential, school, and park receptors would be no longer than three months, or one-quarter year, as the health risk assessment focuses on diesel particulate emissions from onsite sources (construction equipment). No residual emissions and corresponding individual cancer risk are anticipated after construction. All cancer risks would be less than the SCAQMD significance threshold of 10 in a million even when assuming continuous exposure at the location of the maximum modeled concentration. Therefore, the project would result in construction and operational emissions that would not exceed the SCAQMD thresholds will not violate an ambient air quality standard or contribute substantially to an existing violation. Therefore, the project will result in no significant effect to air quality.

The California Office of Environmental Health Hazard Assessment (OEHHA) has also published guidance for estimating health risks. The guidance includes a recommendation for assessing construction-related risks for short-term activities. The project involves five months of construction activities. Over the course of construction activities, average diesel PM emissions from construction equipment would be approximately 0.16 pounds per day. Comprehensive experience implementing the OEHHA guidance for development projects has shown that this level of emission over this relatively short time period has no potential to result in a significant health risk. Also, construction equipment would be in use for a total of no more than eight weeks during the construction period, which is less than the 2-months duration that triggers OEHHA's recommendation to assess cancer risk. Therefore, there is no anticipated health risk due to the short project construction duration of approximately five months and temporary operation for at least 3 years. Please see additional information, including a health risk assessment screening memo for all potential sensitive receptors showing no significant effects, in *Attachment I. Human Health Risk Information.*

(d)4. WATER QUALITY

A Water Quality screening analysis was completed on November 2, 2018 to evaluate the water quality characteristics at the proposed site. This analysis will help inform the California Environmental Quality Act (CEQA) analysis required for the proposed use. The water quality study area for hydrology and water quality is the project site.

Surface Hydrology

Climate

San Pedro encompasses approximately 3,674 acres in the southern portion of the City of Los Angeles. The regional climate of San Pedro is semi-arid and is characterized by warm summers, mild winters, infrequent seasonal rainfall, moderate daytime onshore breezes, and moderate humidity. Annual average temperature in Los Angeles is 65.0°F, with average temperatures ranges from approximately 55.0°F in winter to 75.0°F in the summer. Summer rainfall is minimal and generally limited to scattered thundershowers in coastal regions. Average rainfall in Los Angeles is approximately 14 inches annually.[83] San Pedro is located at the southern edge of the Los Angeles coastal plain, adjacent to the eastern portion of the Palos Verdes Peninsula. Topographically, the eastern portion of San Pedro is mostly flat to gently undulating, while the western portion of San Pedro is gently to moderately hilly. Although the majority of San Pedro is developed urban land, a few areas of natural or undeveloped open space remain. To the south, open space is provided by the beaches along the Pacific Ocean and shoreline recreation areas; and to the east by the harbor. These areas are predominantly located around the borders, including coastal bluffs and hill slopes to the west and north along the border of Rancho Palos Verdes (Reference15).

Regional Surface Hydrology

Watershed

San Pedro is in the Dominguez Channel watershed, which has an area of 133 square miles. Rather than being defined by the natural topography of its drainage area, the Dominguez Channel watershed boundary is defined by a complex network of storm drains and smaller flood control channels that are within or pass through Inglewood (on the north), Compton (on the east), Torrance (on the west), and, on the south, the federal breakwaters of Los Angeles and Long Beach Harbors (LA/LB Harbors). The Dominguez Channel watershed is also termed a “management area” that includes some land with storm drains that do not empty into Dominguez Channel, but is geographically connected with the land that does drain into the channel. This area includes the communities of San Pedro and Wilmington. There are five subwatersheds: two of these (the Upper Channel and the Lower Channel) drain directly into the Dominguez Channel. The remaining subwatersheds include retention basins, Machado Lake, and LA/LB Harbors. The Harbors subwatershed, comprising portions of the cities of Los Angeles, Long Beach, Rancho Palos Verdes, and Rolling Hills, has an area of 36.7 square miles and drains directly into the LA/LB Harbors (Reference15).

Most land in the watershed is developed (93 percent). Approximately 62 percent of

stormwater runoff from these lands drains to the Dominguez Channel. Average annual runoff watershed-wide is approximately 28 billion gallons; the City of Los Angeles contributes about 2.8 billion gallons (10 percent) (Reference15).

Local Surface Hydrology

There are no surface waters within the project site. However, as noted above, there are major surface water resources in the vicinity.

Surface Water Quality

Water quality in the LA/LB Harbor subwatershed is influenced by a number of factors including climate, circulation, biological activity, surface runoff, effluent discharges, and accidental discharges of pollutants related to shipping activities. Water column contaminants include metals (particularly cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc), oil and grease, chlorinated hydrocarbons (DDT and DDE), and polychlorinated biphenyls (PCBs). Other water quality parameters such as phosphates and nitrates change from day to day and are influenced by factors that include biological processes, wastewater discharge, and stormwater runoff. The Los Angeles Harbor, as an enclosed water body, has different seasonal and spatial variation in nutrient concentration from what is observed outside the breakwater. Depending on location, depth, and season, nutrients in the harbor may vary in concentration by several orders of magnitude. Nutrient concentrations were high during periods of high stormwater runoff. (Reference15)

Groundwater Hydrology

San Pedro is located with the geographic boundaries of the West Coast Subbasin ("West Coast Basin") of the larger Los Angeles Coastal Plain Groundwater Basin. The West Coast Basin is bounded on the north by the Ballona Escarpment, an abandoned erosional channel from the Los Angeles River. On the east it is bounded by the Newport-Inglewood fault zone, and on the south and west by the Pacific Ocean and consolidated rocks of the Palos Verdes Hills. The surface of the subbasin is crossed in the south by the Los Angeles River through the Dominguez Gap, and the San Gabriel River through the Alamitos Gap, both of which then flow into San Pedro Bay. The West Coast Basin has been adjudicated since 1961, and the California Department of Water Resources is the Watermaster. Drinking water is provided to the area by the City of Los Angeles Department of Water and Power (LADWP). (Reference15.)

Groundwater Supply and Recharge

Natural replenishment of the West Coast Basin's groundwater supply is largely limited to underflow from the Central Basin through and over the Newport-Inglewood fault zone. Water spread in the Central Basin percolates into aquifers there, and eventually some crosses the Newport-Inglewood fault to supplement the groundwater supply in the West Coast Basin. Minor replenishment to the West Coast Basin occurs from infiltration of surface inflow from both the Los Angeles and San Gabriel Rivers into the uppermost aquifers. Other minor sources of recharge by infiltration from the surface include return irrigation water from fields and lawns, industrial waters, and other applied surface

waters. Water levels have risen about 30 feet from levels measured before adjudication of the subbasin in 1961. The general regional groundwater flow pattern is southward and westward from the Central Coastal Plain toward the ocean.

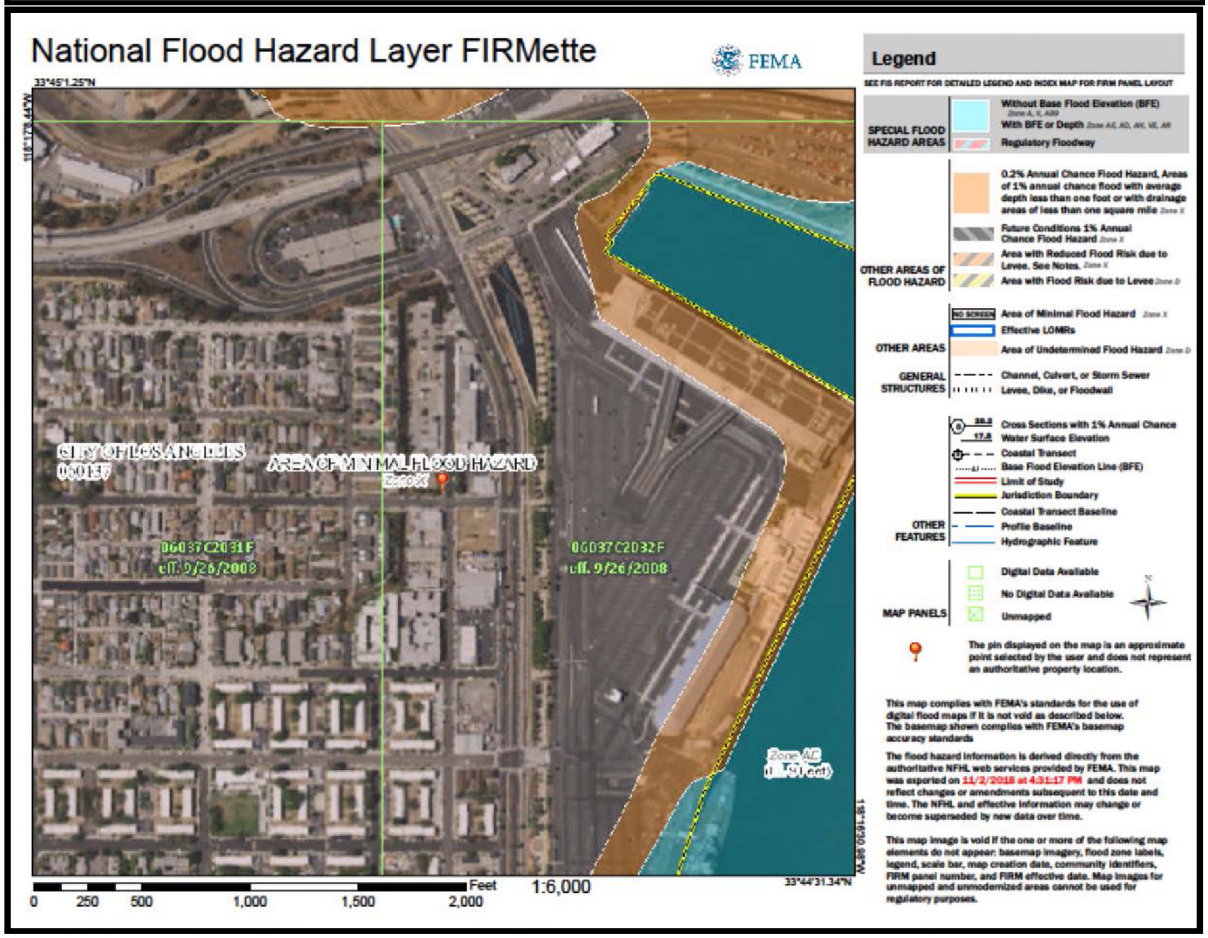
Groundwater Quality

Seawater intrusion occurs in some aquifers that are exposed to the ocean offshore, and shallow groundwater in the two aquifers in the vicinity of San Pedro is generally saline, which limits use. However, injection wells in the West Coast Basin Barrier create a north/south-trending mound of fresh water from the LA International Airport south to the Palos Verdes Hills. Injection wells also form a protective mound at the Dominguez Gap Barrier near Wilmington.

Flooding

The project site in not within an area designated by the FEMA as being within the 100- and 500-year flood hazard zones as shown on *Figure X Project Site FEMA Flood Zone* below.

Figure 5 – Project Site FEMA Flood Zone



Tsunami and Seiche

Seiches are changes or oscillations of water levels (i.e., standing waves) within a

confined body of water due to fluctuations in the atmosphere, tidal currents, or earthquakes. Seiches may be expected in the LA/LB harbor as a result of earthquakes. Any significant wave front could cause damage to seawalls and docks, and could breach sea walls along the San Pedro waterfront. However, modern shoreline protection techniques are designed to resist seiche damage.[91]

Tsunami is a sea wave caused by a submarine earthquake, landslide, or volcanic eruption. Tsunami can cause catastrophic damage to shallow and or exposed coastlines. The project is not within a tsunami zone (Reference ZIMAS) The Los Angeles Police Department has established Pacific Avenue and Gaffey Street (northbound direction), 6th Street, and 25th Street (westbound direction) as tsunami evacuation routes.

REGULATORY SETTING

Federal Regulations

Clean Water Act

The federal Clean Water Act (CWA) of 1977 (33 U.S. Code Section 1251 et seq.), which amended the Federal Water Pollution Control Act of 1972, established the basic structure for regulating discharges of pollutants into the waters of the United States (not including groundwater). The CWA delegates authority to the U.S. Environmental Protection Agency (EPA) to implement pollution control programs. Under the CWA, it is unlawful for any person to discharge any pollutant from a point source into navigable waters, unless a National Pollutant Discharge Elimination System (NPDES) permit is obtained and implemented within compliance. In addition, the CWA requires the states to adopt water quality standards for receiving water bodies and to have those standards approved by EPA. Water quality standards consist of designated beneficial uses for a particular receiving water body (e.g., wildlife habitat, agricultural supply, fishing), along with water quality criteria necessary to support those uses.

Section 303: Impaired Water Bodies (303(d) List) and Total Maximum Daily Loads

Under Section 303(d) of the CWA, the State Water Resources Control Board (SWRCB) is required to develop a list of impaired water bodies that do not meet water quality standards (promulgated under the National Toxics Rule [NTR] or the California Toxics Rule [CTR]) after the minimum technology-based effluent limitations have been implemented for point sources. Lists are to be priority ranked for development of a total maximum daily load (TMDL). A TMDL is a calculation of the total maximum amount of a pollutant that a water body can receive on a daily basis and still safely meet water quality standards. The California Regional Water Quality Control Boards (RWQCBs) and EPA are responsible for establishing TMDL waste-load allocations and incorporating improved load allocations into water quality control plans, NPDES permits, and waste discharge requirements, described further below under Section 2.1.2, *State Regulations*. Section 305(b) of the CWA requires that states assess the status of water quality conditions within the state in a report to be submitted every 2 years.

Section 402: National Pollutant Discharge Elimination System Permits

Section 402(p) of the CWA was amended in 1987 to require EPA to establish regulations for permitting of municipal and industrial (including active construction sites) stormwater discharges under the NPDES permit program. EPA published final regulations for industrial and municipal stormwater discharges on November 16, 1990. The NPDES program requires all industrial facilities and municipalities of a certain size that discharge pollutants into waters of the United States to obtain a permit. Stormwater discharges in California are commonly regulated through general and individual NPDES permits, which are adopted by the SWRCB or RWQCBs and are administered by the RWQCBs. Water quality criteria in NPDES permits for discharges to receiving waters are based on criteria specified in the NTR, the CTR, and Water Quality Control Plans (Basin Plans), discussed below under Section 2.1.2, State Regulations. EPA requires NPDES permits to be revised to incorporate waste-load allocations for TMDLs when the TMDLs are approved (40 Code of Federal Regulations [CFR] 122).

Because construction activities associated with the project would result in the disturbance of more than 1 acre, compliance with the statewide NPDES stormwater general permit for construction activity would be required.

State Regulations

Responsibility for the protection of water quality in California rests with the SWRCB and nine RWQCBs. The SWRCB establishes statewide policies and regulations for the implementation of water quality control programs mandated by federal and state water quality statutes and regulations. The RWQCBs develop and implement Basin Plans that consider regional beneficial uses, water quality characteristics, and water quality problems. The RWQCBs implement a number of federal and state laws, the most important of which are the state Porter-Cologne Water Quality Control Act and the Federal CWA. All projects resulting in discharges, whether to land or water, are subject to Section 13263 of the California Water Code and are required to obtain approval of Waste Discharge Requirements (WDRs) by the RWQCB. WDRs for discharges to surface waters meet the requirements for NPDES permits, which are further described below. Land and groundwater-related WDRs (i.e., non-NPDES WDRs) regulate discharges of privately or publicly treated domestic wastewater, and process and wash-down wastewater.

Porter-Cologne Water Quality Act of 1969: The Porter-Cologne Water Quality Control Act (Water Code Section 13000 et seq.), codified as Division 7 (Water Quality) of the State Water Code, established the responsibilities and authorities of the SWRCB and the nine RWQCBs. According to Section 13001 of the Porter-Cologne Water Quality Control Act, these RWQCBs are to be "... the principal state agencies with primary responsibility for the coordination and control of water quality." The RWQCBs issue NPDES permits for discharges into surface waters. Section 13050 directs each RWQCB to "...formulate and adopt water quality control plans (Basin Plans) for all areas within the region."

The RWQCBs implement the Basin Plans by issuing and enforcing waste discharge regulations to individuals, communities, or businesses whose discharges can affect water quality. These regulations can be either Waste Discharge Requirements for discharges onto land, or NPDES permits for discharges into surface water. Effective

July 1, 2010, all dischargers are required to obtain coverage under the Construction General Permit Order 2009-0009-DWQ, adopted on September 2, 2009 by SWRCB. Construction activity subject to this permit includes clearing, grading, and disturbances to the ground such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The RWQCBs are responsible for administering the permits.

For this project, the Los Angeles RWQCB administers the waste discharge regulations. The Construction General Permit requires the development and implementation of a Stormwater Pollution Prevention Plan. The Los Angeles RWQCB protects water quality within the Los Angeles River, and Pacoima Channel.

National Pollutant Discharge Elimination System:

The NPDES permit system was established in the CWA to regulate point source discharges (a municipal or industrial discharge at a specific location or pipe) to surface waters of the United States. Nonpoint source pollution often enters the receiving water in the form of overland flow, which is surface runoff that is not delivered by pipelines or other discrete conveyances. As defined in the federal regulations, nonpoint sources are generally exempt from federal NPDES permit program requirements. Two exceptions that are regulated under the NPDES program are: (1) diffuse source discharges caused by general construction activities of over one acre; and (2) stormwater discharges in municipal stormwater systems as a separate system in which runoff is carried through a developed conveyance system to specific discharge locations. These are apparent nonpoint source discharges, but because the diffuse source pollution is conveyed in a confined, discrete conveyance system that discharges at a specific location or locations to surface water, for regulatory purposes, they are considered point source dischargers.

For point source discharges, each NPDES permit contains limits on allowable concentrations and mass emissions of pollutants contained in the discharge. However, because municipal stormwater and construction stormwater sources are diffuse and vary with site characteristics, effluent limitations are not practical. Therefore, because the actual source is diffuse and spread out over a large area, instead of effluent limits, the reduction of pollutants in urban stormwater discharge is regulated through the use of structural and nonstructural best management practices (BMPs) to the maximum extent practicable (MEP).

For these diffuse source discharges, the NPDES program establishes a comprehensive stormwater quality program to manage urban stormwater and minimize pollution of the environment to the maximum extent practicable. The NPDES program consists of (1) characterizing receiving water quality, (2) identifying harmful constituents, (3) targeting potential sources of pollutants, and (4) implementing a Comprehensive Stormwater Management Program. Each NPDES permit contains limits on allowable concentrations and mass emissions of pollutants contained in the discharge. Sections 401 and 402 of the CWA contain general requirements regarding NPDES permits, while Section 307 of the CWA describes the factors that the EPA must consider in setting effluent limits for priority pollutants. Typical BMPs used to manage runoff water quality during operational activities include controlling roadway and parking lot contaminants by installing oil and grease separators at storm drain inlets, cleaning parking lots on a regular basis,

incorporating peak-flow reduction and infiltration features (such as grass swales, infiltration trenches, and grass filter strips) into landscaping, and implementing educational programs.

Construction General Permit

Pursuant to CWA Section 402(p) and as related to the goals of the Porter-Cologne Water Quality Control Act, the SWRCB has issued a statewide NPDES General Permit for Stormwater Discharges Associated with Construction Activity (Order No. 2009-0009-DWQ, NPDES No. CAR000002) (Construction General Permit), adopted September 2, 2009. Every construction project that disturbs 1 or more acres of land surface or that is part of a common plan of development or sale that disturbs more than 1 acre of land surface would require coverage under this Construction General Permit. To obtain coverage under this Construction General Permit, the landowner or other applicable entity must file Permit Registration Documents prior to the commencement of construction activity, which include a Notice of Intent (NOI) and Stormwater Pollution Prevention Plan (SWPPP), and mail the appropriate permit fee to the SWRCB. Required elements of a SWPPP include (1) site description addressing the elements and characteristics specific to the site; (2) descriptions of BMPs for erosion and sediment controls; (3) BMPs for construction waste handling and disposal; (4) implementation of approved local plans; (5) proposed post-construction controls, including a description of local post-construction erosion and sediment control requirements; and (6) non-stormwater management. The SWPPP must include BMPs that address source control, and, if necessary, include BMPs that address specific pollutant control.

Examples of typical construction BMPs in completed SWPPPs include scheduling or limiting activities to certain times of year; prohibiting certain construction practices; implementing equipment maintenance schedules and procedures; implementing a monitoring program; other management practices to prevent or reduce pollution, such as using temporary mulching, seeding, or other suitable stabilization measures to protect uncovered soils; storing materials and equipment to ensure that spills or leaks cannot enter the storm drain system or surface water; developing and implementing a spill prevention and cleanup plan; installing traps, filters, or other devices at drop inlets to prevent contaminants from entering storm drains; and using barriers, such as straw bales or plastic, to minimize the amount of uncontrolled runoff that could enter drains or surface water.

Construction of the project would disturb more than 1 acre, and therefore it would be subject to Construction General Permit requirements.

Municipal Stormwater Permit

CWA Section 402 mandates programmatic permits for municipalities to address stormwater discharges, which are regulated under the NPDES General Permit for Municipal Separate Storm Sewer Systems (MS4) (MS4 Permit). Phase I MS4 regulations cover municipalities with populations greater than 100,000, certain industrial processes, or construction activities disturbing an area of 5 acres or more. Phase II

(Small MS4) regulations require that stormwater management plans be developed by municipalities with populations smaller than 100,000 and construction activities disturbing 1 or more acres of land area.

MS4 Permits require that cities and counties develop and implement programs and measures to reduce the discharge of pollutants in stormwater discharges to the maximum extent possible, including management practices, control techniques, system design and engineering methods, and other measures as appropriate. As part of permit compliance, these permit holders have created stormwater management plans for their respective locations. Each permittee must implement a Stormwater Management Program that addresses six minimum control measures associated with construction and operational activities, including (1) public education and outreach, (2) public participation/ involvement, (3) illicit discharge detection and elimination, (4) construction site stormwater runoff control for sites greater than 1 acre, (5) post-construction stormwater management in new development and redevelopment, and (6) pollution prevention/good housekeeping for municipal operations. These control measures will typically be addressed by developing BMPs. These plans outline the requirements for municipal operations, industrial and commercial businesses, construction sites, and planning and land development. These requirements may include multiple measures to control pollutants in stormwater discharge. During implementation of specific projects under the program, project applicants will be required to follow the guidance contained in the stormwater management plans as defined by the permit holder in that location.

The project study area is located in Los Angeles County and would be regulated under the Los Angeles County MS4 Permit. The permit allows permittees to develop Watershed Management Programs to implement requirements of the Order on a watershed scale through customized strategies, control measures, and BMPs.

Regional Regulations

Water Quality Control Plan for the Los Angeles Region
The Los Angeles RWQCB (Region 4) has prepared the Basin Plan for the Los Angeles Region in accordance with state and federal law. The Basin Plan sets forth the regulatory water quality standards for surface waters and groundwater within its region. The applicable water quality standards address both the designated beneficial use for each water body and the water quality objectives to meet designated beneficial uses. Where multiple designated beneficial uses exist, water quality standards must protect the most sensitive use. Water quality objectives are typically numeric; although narrative criteria, based upon bio-monitoring methods, may be employed where numerical objectives cannot be established or where they are needed to supplement numerical objectives.

General Waste Discharge Requirements for Low-Threat Discharges to Surface Waters
Low-threat discharges are currently regulated by the Los Angeles RWQCB under a regional general permit, General Waste Discharge Requirements for Discharges of Groundwater from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties (General Dewatering Permit) (Order No. R4-2013-0095, NPDES No. CAG994004). An NOI and Report of Waste Discharge

must be submitted to the Los Angeles RWQCB to comply with this General Dewatering Permit. Effluent limitations for all discharges are specified for Total Suspended Solids, Turbidity, Biological Oxygen Demand (BOD), Oil and Grease, Settleable Solids, Sulfides, Phenols, Residual Chlorine, and Methylene Blue Active Substances (MBAS). There are several other effluent limitations for specific compounds.

County of Los Angeles Municipal Stormwater NPDES Permit (MS4 Permit)
The Los Angeles RWQCB issued Waste Discharge Requirements for Municipal Stormwater and Urban Runoff Discharges within the County of Los Angeles, and the Incorporated Cities Therein, Except the City of Long Beach (Los Angeles County MS4 Permit) (Order No. R4-2012-0175, NPDES Permit No. CAS00401) on November 8, 2012, and became effective December 28, 2012 (Los Angeles RWQCB 2007). In addition to the Los Angeles County Flood Control District (LACFCD) and the County of Los Angeles, the Permit is also issued to 84 municipalities within the county. The MS4 Permit requires that discharges from the MS4s shall not cause or contribute to exceedances of receiving water quality standards (designated beneficial uses and water quality objectives) for surface waters or groundwaters.

In addition to the County of Los Angeles, the City of San Fernando and City of Los Angeles are co-permittees (WDID #4B190206001 and #4B190188001, respectively) of the Los Angeles County MS4 Permit. More information on the City stormwater programs is provided in Section 2.1.4, below.

Los Angeles County Stormwater Program
The County of Los Angeles Department of Public Works Watershed Management Division is the agency assigned as the Principal Permittee under the Los Angeles County MS4 Permit. The County's Watershed Management Division was established in August 2000 to address the flood risk management, water quality, water conservation, open space, and recreational needs of the LACFCD (County of Los Angeles Department of Public Works 2014). The County provides stormwater resources, such as a Low-Impact Development (LID) Manual, that explains how a site designer/engineer could use a wide array of simple cost-effective techniques that focus on site-level hydrologic control to meet Low Impact Development regulations. The LID manual describes those techniques, provides examples and descriptions of how they work, and contains BMP fact sheets. The County website also provides a HydroCalc Calculator that allows the site designer/engineer to calculate runoff rates and volumes from the water quality storm. In addition, the County implements a Stormwater Public Education Program to educate the public about what they can do to prevent pollution and keep local waterways clean. The County also has Stormwater and Runoff Pollution Control Program tracks industrial and commercial businesses in the unincorporated county area to determine compliance with the provisions of the MS4 Permit issued by the Los Angeles RWQCB.

Under the Program, unless exempted, development would have to comply with the Los Angeles County Master Drainage Plan (MDP) and the Standard Urban Stormwater Mitigation Plan (SUSMP).

Master Drainage Plan for the Los Angeles County

The County of Los Angeles Department of Public Works has developed MDPs that

address many individual watershed areas within the Department's jurisdiction. The MDPs include proposed drainage facilities to protect upstream and downstream properties from serious flooding. Conceptual designs and project cost estimates are included in most plans. Some MDPs are the basis for Area Drainage Plans (ADPs), which are funding mechanisms established to pay for major drainage facilities within some MDPs. The ADPs impose fees that must be paid by land developers.

Standard Urban Stormwater Mitigation Plan

The SUSMP requires that all projects that fall into one of nine categories incorporate appropriate SUSMP requirements into the project plans. All permittees (including the City of Los Angeles) are required to approve project plans as part of the development approval process before issuing a building or grading permit for projects in the nine mentioned categories. A project would be subject to SUSMP requirements if it includes development and/or redevelopment of parking lots that would be 5,000 square feet or larger or would have 25 or more parking spaces, vehicle or equipment maintenance areas, including washing and repair, and commercial or industrial waste handling or storage. For the purpose of redevelopment, it means land-disturbing activity that results in the creation, addition, or replacement of 5,000 square feet or more of impervious surface area on an already developed site. Redevelopment includes, but is not limited to the expansion of a building footprint, addition or replacement of a structure, replacement of impervious surface area that is not part of a routine maintenance activity, and land disturbing activities related to structural or impervious surfaces. Redevelopment does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility, nor does it include emergency construction activities required to immediately protect public health and safety. Where development results in an increase of less than fifty percent of the impervious surfaces of a previously existing development, and the existing development was no subject to these SUSMPs, the design standards apply only to the addition, and not to the entire development.

The SUSMP and Site-Specific Stormwater Mitigation Plans must be incorporated into project plans. Numerical design criteria for volumetric or flow-based treatment controls are included in Section 5.50.040. Prior to receiving a Final Inspection or Occupancy Permit, whichever is applicable, verification that construction of all stormwater pollution control BMPs and structural and/or treatment control BMPs identified on the approved project plans have been completed is required through a signed certification statement.

The proposed project would be subject to SUSMP requirements because it would include development and/or redevelopment of parking lots that would be 5,000 square feet or larger or would have 25 or more parking spaces, vehicle or equipment maintenance areas, including washing and repair, and commercial or industrial waste handling or storage. However, the Department of Building and Safety would apply any pertinent exemptions or exclusions.

Stormwater and Runoff Pollution Control Ordinance of the County of Los Angeles

The County prohibits illicit discharges, the installation or use of illicit connections, the littering and other discharge of polluting or damaging substances, and discharges from industrial or commercial activities. It requires stormwater and runoff pollution mitigation for construction activities, a permit for industrial, commercial, and public facilities. It also

requires notification of uncontrolled discharges to the County and other public agencies, as well as the submittal of a detailed report to the County within 10 days of discovery of the discharge. The ordinance also specifies runoff management requirements, such as good housekeeping practices, and construction/industrial/commercial BMPs.

Local Regulations

City of Los Angeles Stormwater Program

The Los Angeles Stormwater Program's mission is to protect the beneficial uses of receiving waters while complying with all flood control and pollution abatement regulations. The program, which includes education and outreach, engineering programs related to cleaning up urban runoff and maintaining the storm drain system, and monitoring of waters within the City's four local watersheds (Los Angeles River, Ballona Creek, Dominguez Channel, and Santa Monica Bay), works with stakeholders to enforce TMDLs within the City's four watersheds to ensure compliance with the MS4 permit.

City of Los Angeles Municipal Code

Stormwater and urban runoff pollution control are regulated under Chapter 6, Division 4, and Article 4.4 of the Municipal Code. Section 64.70.02 describes pollutant discharge controls including prohibition of non-stormwater to storm drains or receiving waters; spill controls; the requirement to prevent, control, and reduce stormwater pollutants, including construction BMPs; and controlling pollutants from parking lots through rainy season debris removal. Section 64.72 describes the required stormwater pollution control measures for development planning and construction activities (Ord. No. 173,494). The provisions of this section set forth requirements for construction activities and facility operations of development and redevelopment projects to comply with the requirements of the SUSMP as defined by the "Development Best Management Practices Handbook" adopted by the Board of Public Works (Ord. No. 178,132). Municipal Code requirements are discussed in more detail under the pertinent impact analysis.

City of Los Angeles Stormwater Ordinance

In 1998 the City of Los Angeles passed a stormwater ordinance (Los Angeles Municipal Code 64.70) that prohibits the entry of illicit discharges into the municipal storm drain system and gives the City local legal authority to enforce the NPDES Permit and take corrective actions with serious offenders. Any commercial, industrial, or construction business found discharging waste or waste water into the storm drain system may be subject to legal penalties.

City of Los Angeles Low-Impact Development Ordinance

The City of Los Angeles Low-Impact Development Ordinance became effective in May 2012. The main purpose of this law is to ensure that development and redevelopment projects mitigate runoff in a manner that captures rainwater at its source, while utilizing natural resources. Project applicants are required to prepare and implement a stormwater mitigation plan when their projects fall into any of these categories:

- Single-family hillside residential developments;

- Housing developments of 10 or more dwelling units (including single-family tract developments);
- Industrial /Commercial developments with 1 acre or more of impervious surface area;
- Automotive service facilities;
- Retail gasoline outlets;
- Restaurants;[1]
- Parking lots of 5,000 square feet or more of surface area or with 25 or more parking spaces; and
- Projects with 2,500 square feet or more of impervious area that are located in, adjacent to, or draining directly to designated Environmentally Sensitive Areas (ESAs).

Project applicants will be required to incorporate stormwater mitigation measures into their design plans and submit the plans to the City for review and approval.

Environmental Impacts

Methodology

On December 17, 2015, the California Supreme Court held in *California Building Industry Association v. Bay Area Air Quality Management District*, Case No. S213478, that CEQA generally does not require an analysis of how existing environmental conditions will impact a project's future users or residents, such as due to flooding and inundation. Barring subsequent judicial, legislative, or executive action, any such analysis presented in this section is for informational purposes only and not for purposes of CEQA compliance.

The analysis focuses on issues related to water quality, surface hydrology, groundwater supply, and flood hazards. Key construction-related impacts were identified and evaluated qualitatively based on the physical characteristics of the project site and the magnitude, intensity, location, and duration of activities.

Surface and Groundwater Quality. Impacts of the project on surface water and groundwater quality were analyzed using information on potential existing sources of pollution generated by activities, such as vehicle use and parking, and trash. These impacts were then compared to potential project-related sources of pollution during project construction.

Surface Water Hydrology. The surface water hydrology impact analysis considered changes in impervious surfaces and drainage patterns.

Groundwater Hydrology. Potential impacts on groundwater supply and groundwater quality were analyzed using available information. The potential for project actions, to

1 Developments of less than 5,000 square feet in these categories are subject only to the prescriptive method described in the *City of Los Angeles Best Management Practices Handbook,* Part B, third edition.

use groundwater for water supply and to affect the potential for groundwater recharge on-site were evaluated.

Flood Hazards. The impact analysis for flood risk was conducted using FEMA mapping to determine the existing flood zone regarding changes in the drainage system and layout that may affect flood risk.

The discussion below presents the screening analysis and identifies potential project impacts related to Hydrology and Water Quality.

Thresholds: According to the *L.A. CEQA Thresholds Guide* (2006), a proposed project would normally have a significant impact with respect to hydrology and water quality if it would:

Surface Water Quality

1. Result in discharges that would create pollution, contamination, or nuisance, as defined in Section 13050 of the California Water Code (CWC), or cause regulatory standards to be violated, as defined in the applicable NPDES stormwater permit or Basin Plan (i.e., beneficial uses, 303(d)-listed impairments, and water quality objectives) for the receiving water body;

Groundwater Quality

2. Affect the rate or change the direction of movement existing groundwater contaminants;
3. Expand the area affected by groundwater contaminants; Result in an increased level of groundwater contamination (including that from direct percolation, injection, or salt water intrusion); or
4. Cause regulatory water quality standards at an existing production well to be violated, as defined in the California Code of Regulations (CCR), Title 22, Division 4, and Chapter 15 and in the Safe Drinking Water Act.

Construction: Surface Water Hydrology: The construction of the project will not cause flooding because it is not near a water body. The project site is in a densely populated highly urban area. The project includes a temporary homeless shelter tent structure that will introduce a minor increase in impervious surfaces and minor grading that does not affect any drainage patterns or change the direction of water flow on the site. There are no biological resources on the project site, as discussed in detail in *Appendix B. Biological Resources Information.*

Surface Water Quality: The project will not result in any discharges that would create pollution, contamination, or nuisance, as defined in Section 13050 of the California Water Code (CWC), or cause regulatory standards to be violated, as defined in the applicable NPDES stormwater permit or Basin Plan (i.e., beneficial uses, 303(d)-listed impairments, and water quality objectives) for the receiving water body. The project includes the temporary construction of a homeless shelter tent structure that will not introduce any type of pollution, contamination, or nuisance and will obtain a NPDES stormwater permit. Further, the proposed project is required to be compliant with SUSMP requirements because it would include development and/or redevelopment of a lot that would be 5,000 square feet, vehicle or equipment maintenance areas during construction.

Groundwater Level and Quality: The project consists of a homeless shelter tent structure that will not use groundwater for water supply or affect the potential for groundwater recharge on-site.

Operations: Surface Water Hydrology: The operation of the project will not cause flooding because it is not near a water body. The project site is in a densely populated highly urban area. The project includes a temporary homeless shelter tent structure that will introduce a minor increase in impervious surfaces and minor grading that does not affect any drainage patterns or change the direction of water flow on the site. There are no biological resources on the project site, as discussed in detail in *Appendix B. Biological Resources Information.*

Surface Water Quality: The operation of the project will not result in any discharges that would create pollution, contamination, or nuisance, as defined in Section 13050 of the California Water Code (CWC), or cause regulatory standards to be violated, as defined in the applicable NPDES stormwater permit or Basin Plan (i.e., beneficial uses, 303(d)-listed impairments, and water quality objectives) for the receiving water body. The project includes the temporary construction of a tent structure for a homeless shelter that will not introduce any type of pollution, contamination, or nuisance. Further, the proposed project is required to be compliant with SUSMP requirements at construction because it would include development and/or redevelopment of a lot that would be 5,000 square feet, vehicle or equipment maintenance areas during construction.

Groundwater Level and Quality: The operation of the project consists of a tent structure for a homeless shelter that will not use groundwater for water supply or affect the potential for groundwater recharge on-site.

Therefore, no significant effect to water and hydrology resources is anticipated. In addition, after review of project information and associated technical analyses, no unusual circumstances are known to this office that would cause a significant effect due to unusual circumstances. Therefore, this exception has no application here

(e) Site can be adequately served by all required utilities and public services.

The project site can be adequately served by all required utilities and public services, as it is in a developed urban area. Onsite utilities will be installed and appropriate connections made, as needed. There is no indication that utility services would be impacted. The Bureau of Sanitation, and the Police and Fire Departments will be providing refuse collection and emergency support services, respectively, as needed. The site is served by the relocated Fire Station No. 112 at 444 South Harbor Blvd. Berth 86 and by the Harbor Divison Police Station at 2175 John S. Gibson Blvd. San Pedro, CA 90731. In addition, the site will have onsite security. No impacts to public services are anticipated. As such, approval of the project would not result in any significant effects relating to utilities and public services.

As noted in the immediately preceding subsections listed as (a) through (e), above, the proposed project satisfies each of the conditions stated in State CEQA Guidelines section 15332, subdivisions (a) through (e). Based on this, the project qualifies for a Class 32 categorical exemption as an infill project pursuant to State CEQA Guidelines section 15332.

B. Consideration of Exceptions to use of a Categorical Exemption

The State CEQA Guidelines (CCR Sec 15300.2) limit the use of categorical exemptions in the following circumstances:

1. Location. Exemption Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may be significant in a particularly sensitive environment. Therefore, these classes are considered to apply all instances, except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies. The project site is located in the highly urban, densely populated San Pedro community of Los Angeles. There is no such area mapped, designated, or adopted on or adjacent to the project site that would be impacted by the project (Reference 1). Therefore, this circumstance does not apply to the use of the Class 3 and 4 exemptions for this project. As noted above, the City is relying on a Class 32 exemption for this project, which covers all aspects of the project and thus even if the "location" exception was applicable to the project, it would in no way affect the City's reliance upon the Class 32 exemption.

2. Cumulative Impact. This exception applies when, although a particular project may not have a significant impact, the cumulative impact of successive projects of the same type in the same place, over time is significant. No successive projects of the same type in the same place could be identified by reviewing online resources (Reference 4). Other similar local homeless support and shelter projects are planned for the greater Los Angeles area; however, project details for most are too speculative at present for CEQA analysis and feasibility studies are still underway (Reference 5). One project, a temporary shelter site at 711 North Alameda Street received a CEQA exemption and has completed construction. Other projects such as the Bridge Home on Schrader Avenue in Hollywood has also opened, and other similar projects have been approved, including in Willowbrook and Wilmington.Due to the distance from the project, these

projects would not contribute to cumulative impacts, most particularly because that project is not considered to be anywhere near the "same place" as this project.

3. Significant Effect. This exception applies when, although the project may otherwise be exempt, there is a reasonable possibility that the project will have a significant effect due to unusual circumstances.

There are no unusual circumstances about this project related to using the infill development exemption in State CEQA Guidelines section 15332 (Class 32). This project is similar in effects for construction and operation as other infill development projects in that it is a normal urban use that is surrounded by other relative urban uses.

A homeless shelter is an appropriate use for this site based on the zoning and General Plan land use designations, and thus building and operating a new temporary homeless shelter facility is normal and common for this highly urbanized area. The operation of a shelter on this site is not anticipated to create any significant impact above the existing baseline conditions, since the project is surrounded by existing adjacent neighboring residential, industrial/commercial, and light rail transportation uses and as set forth in the above analysis. Infill development in this type of urban environment typically has structures and equipment installed for operating a facility that are similar to the type used for this project. Thus, the project's design, construction, and use are considered common and normal for infill purposes.

Infill exemptions include a wide array of urban uses. Homeless shelters are a common urban use in areas such as this project site, where there already exists a substantial homeless population. Thus, the use of the project site by homeless patrons is normal for purposes of considering the infill exemption. Providing housing to individuals of all economic and social backgrounds is one of the most critically important and necessary urban infill uses for addressing the housing crisis that faces this region and the entire State. The infill exemption is normally applied to address housing needs. Since homeless shelter projects provide needed temporary housing for homeless individual in this area, shelters are imminently suitable as normal and common uses for applying the infill exemption in this type of urban environment. As described above, the project meets the infill requirements and there are no unusual circumstances related to locating homeless persons at the project, particularly considering that the area already has an existing homeless population.

There are several other homeless shelters located in the project's vicinity. Other similar temporary homelessness bridge housing projects developed by the City, such as the recently completed City's El Pueblo site located in downtown Los Angeles and the 1533 N. Schrader site in the Hollywood area, have similarly utilized infill exemptions because facilities for sheltering homeless are common and appropriate in urban environments. Accordingly, this project does not have any unusual circumstances regarding the use of the infill categorical exemption pursuant to State CEQA Guidelines section 15332.

Notwithstanding that no unusual circumstances exist for the project, the project also would not result in a significant impact. As explained in more detail above, no evidence

supports the possibility of a significant impact resulting from the project related to traffic, noise, air quality, and water quality. Therefore, this exception does not apply related to those impact areas. As additionally explained in the following sections, the proposed project's limited and temporary changes to the site also would not result in potential significant environmental impacts with respect to any of the other relevant environmental issue areas. Therefore, this exception has no application to the City finding that the proposed project is categorically exempt from CEQA.]

AESTHETICS

An aesthetic/visual impact screening analysis was performed to evaluate potential aesthetic impact of the proposed project. This study will help inform the CEQA analysis required for the proposed use. As indicated previously, as part of the design for the project, all new nighttime lighting fixtures would be installed to direct the light onto doorways, ingress/egress areas, and other areas of the proposed project and away from sensitive areas. In addition, all new lighting would be designed and installed in compliance with the applicable Los Angeles Municipal Code (LAMC) lighting requirements. Additionally, new lighting installed as a part of the proposed project would be shielded as applicable to prevent glare.

The project site and area does not contain any official City or State-designated scenic vistas that are identified within adopted planning or other documents. However, Harbor Boulevard is a City-designated scenic route, a portion of which is adjacent to the northern portion of the Park and Ride Lot. Harbor Boulevard is separated from views of the proposed project by mature trees along the project site perimeter, and the parking lot space (north of the project site) that would continue to be used as a park and ride lot under the proposed project.

Beacon Street, a frontage road located between the east side of the project site and Harbor Boulevard, provides a view of the current parking lot entrances on the western side, and the rear-facing entrances of several businesses on the eastern side. The current view of the project site from Beacon Street is of trees, chain link perimeter fencing, and the on-site parking lot.

There are public sidewalks located adjacent to the north and south ends of the park and ride lot that provide pedestrian access to the top of the slope to the west, ranging from an approximately 50-foot and 40-foot in height increase, respectively, affording interrupted east-facing views of the Port of Los Angeles and Vincent Thomas Bridge (State Route 47) from public areas and sidewalks along the residential properties. Private residential views of the Port and bridge are likely available as well. These views are dominated by existing overhead powerlines, roadways, shipping containers at commercial shipping locations, docked cruise ships, and mature trees along the slope. Private views of the project site from the residential properties above the slope are likely limited due to the 1.3 percent slope, as well as the setback of residential structures at the top of the slope, and the presence of existing tall trees and other vegetation on certain portions of the slope.

The project site is located in an urban area that currently has a high level of existing ambient lighting. The project site currently includes typical nighttime parking lot lighting on approximately 35-foot-tall light poles located along the eastern and western edges (adjacent to the slope) of the project site, as well as along the center line of the parking

lot. The park and ride lot is open 24 hours per, day Monday through Sunday. Due to its hours of operation, the park and ride lot is assumed to currently be lit from sunset to sunrise. Typical roadway lighting is also present along the west side of Beacon Street, directly adjacent and east of the project site. Views of the distant nighttime lighting at the Port of Los Angeles and along the Vincent Thomas Bridge may be available to the residents located at the top of the slope, west of the project site.

Viewers in the immediate project area predominately consist of pedestrians that could be walking along O'Farrell Street, south of the project site, and residential uses located on the east side of Palos Verdes Street, west of the project site (at the top of the slope). These viewers have an easterly view from the backs of the residential properties and from sidewalks located along the south end of the project site, which are located approximately 40 to 50 feet above the adjacent project site. These viewers would be considered highly sensitive to changes in the visual environment.

There are a small number of businesses located east of the project site on the east side of Beacon Street, between Beacon Street and Harbor Boulevard. These viewers would be considered to have low sensitivity to changes in the visual environment, because the businesses all front east towards Harbor Boulevard, and have few western-facing views. In addition, patrons and employees of these businesses are not likely to have a high level of personal investment in changes to the visual environment.

Motorists traveling along a portion of Harbor Boulevard (northeast of the project site), along O'Farrell Street (south of the project site), and along Beacon Street (east of the project site) experience fleeting views of the project site. Views of the project site would be limited because of the presence of mature trees along the project site perimeter, and small arterial nature of these streets. Motorists would be low sensitivity viewers, because the duration of the viewer experience would be either fleeting or without expectation of a scenic view.

Please refer to *Attachment F- Aesthetic/Visual Resources Information* for details on regulatory framework applicable to aesthetic/visual resources.

Thresholds: According to Appendix G of the *CEQA Guidelines*, the proposed project would have a significant effect on aesthetics if it would:

- Have a substantial adverse effect on a scenic vista;
- Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway;
- Substantially degrade the existing visual character or quality of the site and its surroundings; and/or
- Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area.

The aesthetic/visual impact screening analysis resulted in the following findings and conclusions:

Scenic Vistas: There are no designated scenic vistas located in the project area. In the project vicinity, Harbor Boulevard is a City-designated local scenic highway; however, Harbor Boulevard is not located directly adjacent to the southern portion of the existing park and ride lot, which comprises the project site. There are only fleeting views of the

project site from Harbor Boulevard. There are existing mature trees between Harbor Boulevard and the project parcel that interrupt views of the project site to the south. There are eastern-facing views of the Port of Los Angeles and Vincent Thomas Bridge particularly likely from the residential properties located at the top of the slope, just west of the project site. However, these views are interrupted by many power transmission lines and poles, mature trees and shrubs, and other intervening development. Because the quality of the current views is not unique or scenic, and no scenic vistas from the project area are designated in local planning documents, the implementation of the proposed project would not have a substantial adverse effect on a scenic vista. In addition, the proposed project construction and operations would both be temporary. As a result, no significant effects related to scenic vistas are anticipated.

Scenic Resources: There are no State Scenic Highways located adjacent to the project site or in the project vicinity. As previously mentioned, Harbor Boulevard is a City-designated local scenic highway. However, Harbor Boulevard is not located directly adjacent to the southern portion of the existing park and ride lot, which comprises the project site. Any trees removed as part of the project will be replaced after the temporary use is completed per the Recreation and Parks Department Tree Replacement Policy. Also, the proposed project would not impact any rock outcroppings or historic buildings. Because the proposed project would not be located along or adjacent to a State Scenic Highway, no significant effects to scenic resources are anticipated.

Visual Character: Construction activities associated with the proposed project would temporarily alter the visual character of the site. Construction features that would be located on the project site would include temporary fences, storage or staging areas, areas cleared for construction activities, various construction equipment and vehicles, and others. Based on field observations, the majority of the residents located at the top of the slope, west of the project site, would not have uninterrupted direct views of the proposed project construction, because the proposed project would be installed at the bottom of the approximately 40- to 50-foot-tall 1.3 percent slope incline. Some residential properties located at the top of the slope currently have east-facing views blocked or interrupted by existing matures trees and/or shrubs growing from a portion of the slope. Direct views from this height generally extend eastward beyond the project site towards the businesses on the east side of Beacon Street, and further east towards the Port and bridge. Any views of project construction that are possible from these residential properties would be temporary in nature. In addition, the existing project site is an active park and ride lot that is occasionally used as a construction equipment and trailer staging area. The construction activities associated with the proposed project would not represent a significant visual contrast from existing conditions. As a result, no significant effects to visual character during construction are anticipated.

The operation of the proposed project would temporarily alter the visual character of the site for a three-year period. The proposed project would include a new 10,800 sf tent structure up to approximately 20 feet in height, which would include approximately 102 beds. In addition, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local

homeless community would also be provided. General open space and minor landscaping would be provided with the proposed project. Any trees that require removal would be replaced per City of Los Angeles Policy.

As previously mentioned, based on field observations, the majority of the residents located at the top of the slope, west of the project site, would not likely have uninterrupted direct views of the proposed project, because the proposed project would be installed at the bottom of the approximately 40- to 50-foot-tall 1.3 percent slope incline. Some residential properties located at the top of the slope currently have east-facing views blocked or interrupted by existing matures trees and/or shrubs growing from a portion of the slope. Direct views from this height generally extend eastward beyond the project site towards the businesses on the east side of Beacon Street, and further east towards the Port and bridge. Any views of the proposed project that are possible from these residential properties would be temporary in nature, over a three-year period. In addition, the existing project site is an active park and ride lot that is occasionally used as a construction equipment and trailer staging area. The proposed project would include only temporary structures, and in addition would include general open space and some minor landscaping that does not currently exist on the project site. This particular aspect of the proposed project can be viewed as a beneficial effect. Nonetheless, the three-year operations of the proposed project would not represent a significant visual contrast from existing conditions. As a result, no significant effects to visual character during operations are anticipated.

Light and Glare: A significant lighting impact would occur if the proposed project caused a substantial increase in ambient illumination levels beyond the property line or caused new lighting to spill-over onto light-sensitive land uses such as residences, some commercial and institutional uses that require minimum illumination for proper function, and natural areas. Outdoor lighting near residential areas within the City of Los Angeles is regulated by the LAMC. The LAMC prohibits the construction of exterior light sources emitting light above 2 foot candles (21.5 lux) or inducing glare from high places or insufficiently shielded light sources that are visible to residences. Temporary lighting from construction activities and light sources that are not visible to people or residences are exempt.

The project site currently includes downward-directed outdoor lighting throughout the site that minimizes the potential for light pollution or glare while providing for safe motor vehicle parking. Approximately 35-foot-tall light poles are interspersed along the eastern and western edges (adjacent to the slope) of the project site, as well as along the center line of the parking lot. The park and ride lot is open 24 hours per, day Monday through Sunday, and is lit from sunset to sunrise. Typical roadway lighting is also present along the west side of Beacon Street, directly adjacent and east of the project site. Views of the distant nighttime lighting at the Port of Los Angeles and along the Vincent Thomas Bridge may be available to the residents located at the top of the slope, west of the project site. The current project site and surrounding area exhibit a high level of ambient lighting.

During the approximately 5-month construction period for the proposed project, construction activities would occur Monday through Friday, from 7:00 a.m. to 4:00 p.m. As such, nighttime construction lighting would not be required. No significant effects to light and glare during construction are anticipated.

During project operations new security lighting around the temporary homeless facilities would be provided. It is assumed that some of the existing parking lot lighting on-site may remain with the proposed project. The new project lighting would be in operation at night to illuminate emergency ingress/egress. As shown on the attached Figure 1 – Conceptual Lighting Plan, new project lighting would include approximately 5, 12-foot-tall poled lighting consisting of an open small round post top style, as well as approximately 10 wall-mounted LED security lights that would be mounted onto the outside of the proposed tent. In addition, other new light fixtures would be provided beneath the free-standing shade structure, as well as beneath the structure covering the dining area. All new nighttime lighting fixtures would be installed to direct the light onto doorways, ingress/egress areas, and other areas of the proposed project and away from sensitive areas. In addition, all new lighting would be designed and installed in compliance with the applicable LAMC lighting requirements. Additionally, new lighting installed as a part of the proposed project would be shielded as applicable to prevent glare.

The poled lighting that is proposed with the project is over 20 feet shorter in height as compared to the existing parking lot lighting currently on the project site. In addition, there is no new lighting proposed along the western border of the project site adjacent to the slope. As such, the proposed project would not result in a disruption of resident's distant view of the nighttime lighting of the Port and bridge. This nighttime view is not protected in any local planning document. New lighting would be shielded as applicable and would be designed to comply with the LAMC. As a result, no significant effects to light and glare during operations are anticipated.

No significant aesthetics or visual effects are anticipated related to scenic vistas, scenic resources, visual character, and light/glare during construction or operation.

GREEN HOUSE GASES

A Greenhouse Gases (GHG) study was conducted in October 2018 to evaluate potential GHG impacts of the proposed project. This study will help inform the CEQA analysis required for the proposed use. The project study area is the South Coast Air Basin and the project site.

Greenhouse Gas Emissions Characteristics: The standard definition of GHG emissions refers to the atmospheric presence of the following six gaseous substances: carbon dioxide (CO_2); methane (CH_4); nitrous oxide (N_2O); hydrofluorocarbons (HFCs); perfluorocarbons (PFCs); and sulfur hexafluoride (SF_6). Tropospheric ozone and black carbon are also important climate pollutants. CO_2 is the most abundant GHG, and collectively CO_2, CH_4, and N_2O amount to 80 percent of GHG effects.

CO_2, CH_4, and N_2O concentrations have increased in the atmosphere since pre-industrial times, and this increase is the main driver of climate change. Globally, CO2 increased by 40 percent from 278 parts-per-million ppm circa 1750 to 390.5 parts-per-million in 2011.2 During the same time interval, CH_4 increased by 150 percent, from 722 parts-per-billion (ppb) to 1,803 ppb, and N_2O by 20 percent, from 271 ppb to 324.2 ppb in 2011. The increase of CO_2, CH_4, and N_2O is caused by anthropogenic emissions from the use of fossil fuel as a source of energy, fertilizer usage, and from

land use and land use change, in particular, agriculture.

For each GHG, a global warming potential has been calculated to reflect how long emissions remain in the atmosphere and how strongly energy is absorbed on a per-kilogram basis relative to CO_2. Global warming potential is a metric that indicates the relative climate forcing of a kilogram of emissions when averaged over the period of interest (both 20-year and 100-year horizons are used for the global warming potential). To account for this higher potential, emissions of other GHGs are frequently expressed in the equivalent of CO_2, denoted as CO_2e. CO_2e is a measurement used to account for the fact that different GHGs have different potential to retain infrared radiation in the atmosphere and contribute to the greenhouse effect.

California GHG Emissions Inventory and Achievements: The California Air Resources Board (CARB) has prepared a statewide emissions inventory covering 2000 to 2014, which concluded that GHG emissions have decreased by 7.9 percent over that period. Emissions in 2014 from the transportation sector, which represents California's largest source of GHG emissions and contributed 37 percent of total annual emissions, declined marginally relative to 2011 even while the economy and population continued to grow over that three year time period. The long term direction of transportation related GHG emissions is another clear trend, with a 13 percent drop over the past ten years (Reference 11).

Statewide, mobile vehicular sources account for approximately 36 percent of GHG emissions as of 2014. Direct stationary sources of emissions include solid waste decomposition, haul trucks, and the use of refrigerants. The emissions in 2011 are the lowest of the 12-year period between 2000 and 2011, while 2004 had the highest emissions at 495 million metric tons (MMT) CO2e. From 2000–2011 California's population grew by 10.5 percent. As a result, California's per capita GHG emissions decreased by 11.9 percent over that same period. Emissions were of similar magnitude from 2011–2014 (Reference 12).

Federal Regulations: The absence of federal regulations for GHG emissions is typically approached by the State of California by the establishment of a broad policy framework for the state's long-term GHG emissions-reduction and climate change adaptation program. These polices have been established to develop statewide action plans that set emissions-reduction targets for existing sources of GHG emissions, that promote renewable energy and increase energy efficiency. However, the State framework is used as a threshold to screen City of Los Angeles projects. The project's compliance with the regulations and standards listed below were assessed. Detailed information regarding the regulatory setting for GHG can be found in *Attachment E. Air Quality/Greenhouse Gas Resources Information.*

State Regulations: Key statewide GHG regulations that are directly applicable to the project are included below:

- *Executive Order S-3-05 (E.O. S-3-05)*
- *Executive Order B-16-2012 (2012)*
- *Executive Order B-30-15 (2015)*
- *Assembly Bill 1493—Pavley Rules (2002, amendments 2009)/Advanced*

Clean Cars (2011)
- *Renewable Energy Standard/Renewable Portfolio Standard (2002/2006/2011)*
- *Assembly Bill 32*
- *Senate Bill 350 (2015)*
- *Senate Bill 375 (SB 375)*
- *State CEQA Guidelines (2010)*

Regional Regulations:

- *Southern California Association of Governments (SCAG)*

Local Regulations:

- *City of Los Angeles Climate Action Plan*
- *South Coast Air Quality Management District*
- *SCAG 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy for Los Angeles*

Thresholds: The project type is closest to a non-industrial project. Therefore, this analysis compares the amortized construction and operational emissions to the SCAQMD draft threshold of 3,000 $MTCO_2e$ per year. SCAQMD recommends that construction emissions associated with a project be amortized over the life of the project (typically 30 years) and added to the operational emissions. The proposed project comprises a temporary housing facility with an operational lifetime of three years. Therefore, this analysis includes a quantification of the total modeled construction-related GHG emissions, which are then amortized and evaluated over the three-year life of the proposed project. Detailed information regarding the thresholds for GHG can be found in *Attachment E. Air Quality/Greenhouse Gas Resources Information.*

Construction: Heavy-duty off-road equipment, materials transport, and worker commutes during construction of the proposed project would result in exhaust-related GHG emissions. GHG emissions were estimated using CalEEMod to obtain daily emissions and a spreadsheet to annualize emissions based on projected equipment hours. As shown in *Table 9 - Maximum Daily Construction-Related Emissions Summary*, the total construction-related and operational CO_2e of 208 $MTCO_2e$ associated with the proposed project would be less than the 3,000 $MTCO_2e$ threshold.

The significance of GHG emissions from construction is not determined independently but is considered together with operational GHG emissions. It is highly unlikely that construction of any individual project would generate GHG emissions of sufficient quantity to conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions. Standard construction procedures would be undertaken in accordance with SCAQMD and CARB regulations applicable to heavy duty construction equipment and diesel haul trucks. Adhering to requirements pertinent to construction equipment maintenance and inspections and emissions standards, as well as diesel fleet requirements including idling time restrictions and maintenance, would ensure that construction of the proposed project would not be inconsistent with GHG emissions reductions efforts and, therefore, would not create a significant effect.

Operations: GHG emissions generated during the operational phase of the proposed project would include emissions from mobile sources, energy consumption, water consumption, waste disposal, and area sources. GHG emissions were estimated using CalEEMod to obtain daily emissions and a spreadsheet to annualize emissions based on projected equipment hours. As shown in *Table 12 - Maximum Annual GHG Emissions*, the total construction-related and operational CO_2e of 208 $MTCO_2e$ associated with the proposed project would be less than the 3,000 $MTCO_2e$ threshold.

The significance of GHG emissions from operations is not determined independently but is considered cumulatively with construction GHG emissions. It is highly unlikely that operations of any individual project would generate GHG emissions of sufficient quantity to conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions.

Table 11 - Maximum Annual GHG Emissions

Emissions Category	**CO_2e (Metric Tons per Year)**
Construction Emissions Amortized (Direct)[1]	12
Area Source Emissions (Direct)	<0.1
Mobile Source Emissions (Direct)	173
Energy – Natural Gas Emissions (Direct)	<0.1
Waste Disposal Emissions (Indirect)	0.1
Water Distribution Emissions (Indirect)	.1
Total Emissions	**208**
SCAQMD Proposed Threshold (MT CO_2e/year)[2]	3,000
Exceed Threshold?	**No**

Source: TAHA 2018 [1]Amortized construction emissions obtained by dividing total construction emissions by 3 years.
[2]SCAQMD 2010.

Cumulative (Construction and Operations): The proposed project is consistent with anticipated long-term statewide strategies to reduce GHG emissions. As shown in the referenced *Table 10 - Maximum Annual Greenhouse Gas Emissions*, the total annual amortized annual construction-related and annual operational-related GHG emissions of 208 MT CO_2e associated with the project would be less than the 3,000 MT CO2E/year threshold being used by the City of Los Angeles for non-industrial project. The 208 $MTCO_2e$ annual emissions represents approximately 6.9 percent of the annual significance threshold for non-industrial projects. Thus, the project would not generate GHG emissions either directly or indirectly, that would have a significant effect on the environment. Combined annual operations and annual construction emissions amortized over the life of the project of 3 years, the total CO_2e is not expected to exceed the City's threshold of 3,000 MT CO_2e per year for non-industrial projects.

The relatively small magnitude of GHG emissions associated with the project both during construction and operations render any efforts to further reduce emissions to less

than 134 MT CO_2e emissions per year to be essentially unnecessary. Any of the broad-scale shifts needed to meet the reduction goals are outside of the control of the City and beyond the scope of the project that is proposed. Furthermore, the project is surrounded by a robust regional transportation system from Metro and Los Angeles Department of Transportation (LADOT). These public transit lines serve the Greater Los Angeles region. Therefore, the project is not inconsistent with the RTP/SCS. The de minimus amount of GHG generated by the project has no potential for the project to interfere with attainment of 2030 or 2050 statewide GHG reduction goals.

As discussed previously, GHG emissions are regionally cumulative in nature and it is highly unlikely construction of any individual project would generate GHG emissions of sufficient quantity to conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions. Therefore, the project would have no significant effect to GHG.

As indicated above, no significant effects are anticipated. Furthermore, this project is a temporary facility providing temporary shelter and there are no unusual circumstances known to this office. Therefore, this exception has no application.

CUMULATIVE IMPACT

A cumulative impact can occur if existing non-significant impacts become significant if combined with those of ongoing related projects in the area of the same size or greater. Due to many factors, such as the size and type of project, the degree below local and regional thresholds for various resource areas, the small amount of traffic generated, low amount of pollutant emissions and controlled noise levels as part of the project design, it is anticipated that significant cumulative impacts would not occur. For example, the traffic evaluation performed by the LADOT, in *Attachment C - Traffic Information* indicates that a list of related projects is not needed for further review in that negligible impacts are created by the project. To better inform the project description and to consider other possible cumulative impacts, a list of active permits was researched at the Department of Building and Safety within a local radius (1,000 feet) (Reference 7). The active related projects identified within 500 feet of the project site are listed in *Table 11 - Related Projects*.

Table 12 – Related Projects

Project	Location	Project Description
New Construction	249 W OLIVER ST 90731	New two story dwelling unit with deck over 3 car garage

Although, related projects exist within the vicinity of the project, due to the small contribution of the proposed project in relation to related projects in regard to traffic, noise, and air pollution, no cumulative impacts are anticipated. Therefore, the project would have no known impacts that are individually limited but cumulatively considerable and no successive projects of the same type in the same place.

4. Scenic Highway

A categorical exemption shall not be used for a project which may result in damage to scenic resources as viewed from a scenic highway, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. The project is not within sight of any state designated scenic highway and will not impact a scenic highway or associated view to a significant historical resource. Although Harbor Drive is designated as a City of Los Angeles scenic highway, the project site is not immediately adjacent to Harbor Drive and per the project's Aesthetics analysis located in *Appendix F*, no visual impacts are anticipated. Harbor Boulevard is separated from views of the proposed project by mature trees along the project site perimeter, and the parking lot space (north of the project site) that would continue to be used as a park and ride lot under the proposed project. Therefore, no significant effect to a scenic highway or associated view to a significant historical resource is anticipated. Therefore, this exception has no application.

5. Hazardous Waste Site

This exception applies when a project is located on a site listed as a hazardous waste site under Government Code Section 65962.5. Based on a review of records for this project, the project site was not on lists referred to under Government Code Section 65962.5 (Reference 14). Furthermore, there are no sites listed within 500 feet of the project site. Additionally, as described in *Attachment G. Hazardous Materials Information*, potentially significant impacts related to hazardous materials and hazardous waste are not anticipated to represent a significant effect environmental condition in connection with the project. Therefore, no significant effect to hazardous materials and hazardous waste is anticipated. Therefore, this exception has no application.

6. Historical Resources

This exception applies when a project may cause a substantial adverse change in the significance of a historical resource

CULTURAL RESOURCES

Cultural Resources, Archaeological and Paleontological screening surveys were conducted in October 2018 to evaluate potential historical, cultural, archaeological and paleontological impacts of the proposed project. This study will help inform the CEQA analysis required for the proposed use. The project area, or Area of Potential Effects (APE) analyzed in this section is defined as the proposed project site and the surrounding area within a .25-mile radius of the project boundary.

The site is in a highly urbanized area, previously developed and mostly paved, with perimeter parking lot landscaping and trees. the project site is the southerly portion of the CALTRANS Harbor Beacon Park and Ride lot and is paved with ornamental trees

and landscaping. All these surrounding areas do not include any cultural resources. There are at least twenty-one (21) previously recorded cultural resources within a .25 mile of the project site. In addition, the site is not mapped within Cultural Resource Area as referenced in the San Pedro Community Plan. The site lies at an elevation of approximately 95 feet above mean sea level (msl).

Prehistoric Setting: Prior to the establishment of the missions in southern California, the area in and around Los Angeles was primarily occupied by the Gabrieleño Native American tribe (Gabrieleño), named after the Mission San Gabriel. Gabrieleño territory was composed of coastal areas, islands, valleys, and foothills, with a patterning of larger settlements. Villages were placed where there was access to a variety of environments and resources, and a system of satellite camps stemming from main villages was then established for the specific procurement of resources. The project area is mapped as having surficial deposits of older Quaternary alluvium. These unconsolidated to weakly consolidated deposits date to the late Pleistocene and consist of alluvial clay, sand, and gravel, including alluvial fan sediments. (Reference 8).

Cultural Resources Survey: Detailed information about the cultural resources survey can be found in detail in *Attachment H. Cultural Resources Information.*

Federal and State Regulations and Standards: Detailed information about the regulations and standards that have been established by federal and state agencies to protect and conserve cultural resources can be found in detail in *Attachment H. Cultural Resources Information.*

Local Regulations and Standards: The City of Los Angeles maintains a list of all sites, buildings, and structures that have been designated through the City of Los Angeles Cultural Heritage Ordinance as Historic-Cultural Monuments (HCMs). Section 22.171.7 of the Cultural Heritage Ordinance states that an HCM is any site (including significant trees or other plant life on the site), building, or structure of particular historic of cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic, or social historic of the nation, state, or community is reflected or exemplified; or that is identified with historic personages or with important events in the main currents of national, state, or local history; or that embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style, or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age. Any person may apply for the proposed designation of HCM, and the Cultural Heritage Commission determines whether or not the proposed designation merits consideration.

The Conservation Element of the City of Los Angeles General Plan (adopted September 2001) specifically addresses paleontological resources in Section 3 of Chapter 2. The Conservation Element's paleontological objective is to "protect the city's archaeological and paleontological resources for historical, cultural, research and/or educational purposes." Moreover, its policy is to "continue to identify and protect significant archaeological and paleontological sites and/or resources known to exist or that are identified during land development, demolition or property modification activities."

An archival records search for the project area was conducted on October, 2018 at the South Central Coastal Information Center housed at California State University, Fullerton. The research focused on the identification of previously recorded cultural resources within a .25-mile radius of the proposed project footprint. The archival research included review of previously recorded archaeological site records and reports, historic site and property inventories, and historic maps. Inventories of the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), the California State Historic Resources Inventory, California Historical Landmarks and Points of Interest, and the list of City of Los Angeles Historic-Cultural Monuments were also reviewed to identify cultural resources within a .25-mile radius of the APE.

The literature search returned twenty-one (21) previous cultural resources investigations have been conducted within 0.25 mile of the project area.). None of these studies overlap the project footprint. These studies include cultural resources surveys, site evaluations, monitoring plans, and monitoring reports. In total, none of the project area and approximately 30 percent of the study area have been previously surveyed. Detailed information regarding the previously recorded cultural resources investigations can be found in *Attachment H. Cultural Resources Information.*

California State Historic Resources Inventory: Study of the California Office of Historic Preservation's HRI focused on properties within 0.25-mile of the project area that faced streets bordering the project area, including North Beacon Street, West O'Farrell Street, and North Palos Verdes Street. No properties are listed in the HRI on these three streets within 0.25 mile of the project area.

California Historical Landmarks: California Historical Landmarks are buildings, structures, sites, or places that have been determined to have statewide historical interest. A search of the California Historical Landmarks list revealed no California Historic Landmarks within 0.25 mile of the project area.

Los Angeles Historic-Cultural Monuments (LAHCMs)*:* LAHCMs are sites in Los Angeles that have been designated by the Los Angeles Cultural Heritage Commission. A search of the LAHCMs found no monuments within 0.25 mile of the project area.

In addition, the City's Framework EIR was checked for identified resources (Reference 9). Prehistoric and historic archaeological sites or vertebrate paleontological resources are mapped in the vicinity of the project. Invertebrate paleontological of unknown potential is mapped for the entire general area.

An archaeological and paleontological field survey of the project area was conducted on October 17, 2018, see *Attachment H. Cultural Resources Information* for a copy of the full survey report. Below are the most relevant findings:

The purpose of the survey was to identify and record cultural resources that are at least 45 years old and evaluate any discovered resources for historical significance based on criteria for listing in the CRHR, as well as to identify potentially fossiliferous deposits within the project area. Throughout the surveyed areas, the soil is predominantly a light

tan to yellow-brown, fine-grained silty sand. Approximately 95 percent of the project area, where covered in asphalt, has no soil visibility. Previous ground disturbance encompasses 100 percent of the project area due to parking lot construction and landscaping. An examination of the topography confirms the map research, indicating that most of the project area was cut away during the twentieth century. Just west of the project area is an approximately 50-foot-high artificial cliff face. The cut bank is supported by retaining walls and vegetation that largely obscure it, including a large retaining wall currently under construction that, when complete, will probably obscure the entire cut bank. Less sediment was removed from the eastern fringe of the project area, and the project area along Beacon Street appears to approximate the original grade. In the course of the field survey, no archaeological or historical resources meeting the age criterion of 45 years or more were identified.

However, the potentially fossiliferous formations mapped within the project area were observed during the survey. Although the artificial cliff face just outside the project area was largely obscured by vegetation and retaining walls and could not be closely examined due to safety concerns, the yellow-brown Palos Verdes Sand was observed at the top of the cut. The upper approximately 40 feet of the cut bank consisted of silt and sandy silt, which may consist of either the Palos Verdes Sand formation or the Timms Point Silt formation or both. Finally, a gray-white marl was visible in limited exposures at the base of the cut bank, apparently the Lomita Marl. Details on the Cultural Resources survey are located in *Attachment H. Cultural Resources Information.*

Methodology: Geologic maps indicate that the project area lies within an area mapped having surficial deposits of Palos Verdes Sand. Either side of the project area is mapped as older Quaternary alluvium, which overlies the Palos Verdes Sand in some areas. The Palos Verdes Sand tends to be a thin layer (generally about 10 feet thick). Palos Verdes Sand overlies Timms Point Silt and Lomita Marl. All of these formations date to the Pleistocene epoch, and they are all known to contain abundant marine mollusk fossils and microfossils as well as some vertebrate fossils.

Older Quaternary alluvium consists of stream deposits laid down in the late Pleistocene (ending approximately 11,700 years ago). These deposits are known for their terrestrial vertebrate fossils, including fossils of extinct megafauna such as mammoth, mastodon, giant sloth, bison, and horse.

The Palos Verdes Sand is an important Pleistocene formation. It was initially described as the "upper San Pedro series," and the type site was described as near the lumber yards in northern San Pedro; that is, in the vicinity of the project area. Unlike older Quaternary alluvium, it is a marine deposit. The deposit varies in thickness from a few inches to up to 15 feet, but in general is less than 10 feet thick. The deposit generally consists of coarse-grained sand and gravel, but can include silty sand and silt. Fossils of *Macoma*, a genus of saltwater clam, have been observed in the San Pedro Sand west of Beacon Street and north of O'Farrell, that is, in the project area itself. Elsewhere, marine fish and land vertebrate fossils have been recovered from the Palos Verdes Sand.

However, the shallow excavations associated with the proposed project, which are not

anticipated to exceed four (4) feet in depth, are unlikely to yield intact fossils. Building permits indicate that all four parcels within the project area were graded after 1961. Soils at the relatively shallow depths required for project excavations can reasonably be assumed to have been disturbed in the recent past, by grading and by utilities excavations. If unanticipated fossil remains are encountered by the proposed project, work will be temporarily halted in the vicinity of the find and BOE will contact a qualified paleontologist to evaluate. As such, the following *BOE Regulatory Standard Specifications* will be implemented during the construction phase of the project:

1. Retain a Qualified Paleontologist to prepare and present a paleontological resources awareness training for construction personnel prior to the start of excavation.

2. Perform initial paleontological spot-checking of excavation to determine if native sediments of the Pleistocene-aged San Pedro Sand or older alluvium (Palos Verdes Sand) are present in the top 4 feet of the site. The level of paleontological effort will be modified by the Qualified Paleontologist based on the results of the initial spot checking, and in consultation with the City:

a) If native sediments are observed, full-time monitoring will be implemented in those areas. A letter documenting the monitoring approach and discovery procedures will be submitted to the City and a curation agreement will be obtained from the Natural History Museum of Los Angeles County.
b) If native sediments are not observed, the Qualified Paleontologist shall remain on-call to respond to any unanticipated fossil discoveries.

3. In the event of an unanticipated fossil discovery when a paleontologist is not on-site, work must halt within 25 feet of the find until the Qualified Paleontologist can evaluate the discovery and make treatment recommendations.

Thresholds: The CEQA Guidelines include procedures for identifying, analyzing, and disclosing potential adverse impacts to historical resources. The CEQA Guidelines defines a "historical resource" as a resource that meets any of the following criteria:

- A resource listed in, or determined to be eligible for listing in, the National Register of Historic Places (NRHP) or California Register of Historical Resources (CRHR).
- A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code (PRC), unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
- A resource identified as significant (e.g., rated 1–5) in a historical resource survey meeting the requirements of PRC Section 5024.1(g) (Department of Parks and Recreation Form 523), unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
- Any object, building, structure, site, area, place, record, or manuscript which a

lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California, provided the determination is supported by substantial evidence in light of the whole record. Generally, a resource is considered "historically significant" if it meets the criteria for listing on the California Register of Historical Resources.

- A resource that is determined by a local agency to be historically or culturally significant even though it does not meet the other four criteria listed here (CEQA Guidelines Section 15064.5; PRC §s 5097.94 and 5097.98).
- Recent legislation known as Assembly Bill 52 amended CEQA to add another category of cultural resource—Tribal Cultural Resources (TCRs).

The proposed project would have an adverse effect on archaeological resources if the proposed project is located in an area with archaeological resources, human remains having archaeological associations or an archaeological study area and involve grading, excavation, accelerated erosion, or other activities or changes to the site that could affect archaeological resources. Also, Tribal Cultural Resources could be affected if the proposed project occurs in an area with a Native American sacred place and involves grading, excavation, accelerated erosion, or other activities. The implementation of the proposed project would have an adverse effect on paleontological resources if it results in the disturbance of surface or subsurface fossils, either through site preparation, construction or operational activities, or through an increase in human activities at or near the fossil site. Further, historical resources on the project site or in the vicinity can be adversely impacted by the project if demolition, construction or alteration affects those resources.

Impact Analysis: Based on the results of the archival research and field survey, there is low potential that archaeological resources will be encountered during ground-disturbing activities for the proposed project. Ground disturbance required for the proposed project will not exceed 4 feet in depth. Soils at the relatively shallow depths required for project excavations can reasonably be assumed to have been disturbed in the recent past, by grading andby utilities excavations.

If archaeological resources are encountered during ground-disturbing activities, work will be temporarily halted in the vicinity of the find and BOE will contact a qualified archaeologist to evaluate and determine appropriate treatment for the resource in accordance with Public Resources Code (PRC) Section 21083.2(i). With adherence to established regulations, the proposed project would have no significant effect to any archaeological resources. Therefore, no significant effect to archaeological resources is anticipated. In addition, after review of project information and associated technical analyses, no unusual circumstances are known to this office that would cause a significant effect due to unusual circumstances. Therefore, this exception has no application here.

The Sacred Lands File did not indicate the presence of Native American cultural resources in the project area.

The sensitivity of the project area for tribal cultural resources appears low. However, if any Native American cultural material is encountered within the project site, interested Native American parties established in the contact program or through consultation with the lead agency should be notified to apprise them of any such findings. If any Native American cultural material is encountered, LABOE should determine during consultation with the tribe if the resources constitute tribal cultural resources and solicit any comments the Native American parties may have regarding appropriate treatment and disposition of the resources.

If human remains are discovered during construction, work in the immediate vicinity of the discovery will be suspended and the Los Angeles County Coroner contacted. If the remains are deemed Native American in origin, the Coroner will contact the NAHC and identify a Most Likely Descendant pursuant to PRC Section 5097.98 and California Code of Regulations Section 15064.5. Work may be resumed at the landowner's discretion but will only commence after consultation and treatment have been concluded. Work may continue on other parts of the project while consultation and treatment are conducted. With adherence to established regulations, the proposed project would not impact human remains. Due to the low sensitivity of the project area and with adherence to established regulations, the project would not create a significant effect to tribal cultural resources. Therefore, no significant effect to tribal cultural resources is anticipated. In addition, after review of project information and associated technical analyses, no unusual circumstances are known to this office that would cause a significant effect due to unusual circumstances. Therefore, this exception has no application here.

The project area is mapped as having surficial deposits of Palos Verdes Sand. Either side of the project area is mapped as older Quaternary alluvium, which overlies the Palos Verdes Sand in some areas. The Palos Verdes Sand tends to be a thin layer (generally about 10 feet thick). Palos Verdes Sand overlies Timms Point Silt and Lomita Marl. All of these formations date to the Pleistocene epoch, and they are all known to contain abundant marine mollusk fossils and microfossils as well as some vertebrate fossils. Older Quaternary alluvium consists of stream deposits laid down in the late Pleistocene (ending approximately 11,700 years ago). These deposits are known for their terrestrial vertebrate fossils, including fossils of extinct megafauna such as mammoth, mastodon, giant sloth, bison, and horse. Please refer to *Attachment H. Cultural Resources Information.* for more detailed information.

Since the project is not anticipated to impact significant cultural resources and since the project design includes specifications for the preservation of unanticipated cultural resources finds, no significant effect to cultural resources is anticipated. Furthermore, based on the results of the archival research and cultural resources survey, there is low potential that any cultural resources will be encountered during ground-disturbing activities for the proposed project.

Therefore, no significant effect to historic resources is anticipated. Therefore, this exception has no application here.

REFERENCES

1. City of Los Angeles Department of Planning. *Navigate LA & ZIMAS Map Reviews for Significant Ecological Area Map for Los Angeles City and County, Seismic Study Areas, Land Use* by E. Schoetzow, LA Bureau of Engineering (LABOE EMG), October 24, 2018.
2. City of Los Angeles, Bureau of Engineering. *Master Specification, General Requirements, Section 01562, Part 1.1.C.*
3. Los Angeles Homeless Services Authority. *Search of Homeless Population Density for Temporary Bridge Housing at Beacon Street*, September 11, 2018.
4. Los Angeles Homeless Services Authority. Online search of LAHSA statistics for Area, by C. Adams, LABOE, September 16, 2018.
5. Homeless Services Directory. *Review of Services within 7 Miles of Project Site*. C. Adams, LABOE-EMG, September 16, 2018, hyperlink at:

   https://www.homelessshelterdirectory.org/cgi-bin/id/city.cgi?city=Los%20Angeles&state=CA
6. City of Los Angeles Environmental Affairs Department. Los Angeles CEQA Thresholds Guide (2006); hyperlink at:

   http://planning.lacity.org/Documents/MajorProjects/CEQAThresholdsGuide.pdf)
7. Online search of addresses in 1,000-Foot Radius for City Dept. for relevant Planning records (NOPs, cases), Department of Building and Safety permits, and City Bureau of Engineering Capital Improvement Projects by C. Miller, LABOE-EMG, August 20, 2018.
8. Dibblee, et al., 1999. *Geologic Map of the San Pedro Quadrangles, Los Angeles, California.* 1:24000 Scale. Camarillo: Dibblee Geological Foundation.
9. City of Los Angeles Department of Planning. *Los Angeles City-Wide General Plan Framework Environmental Impact Report, Cultural Resources*, January 19, 1995 *hyperlink at:* http://cityplanning.lacity.org/HousingInitiatives/HousingElement/FrameworkEIR/GPF_DraftEIR/GPF_FEIR_DEIR2.15.pdf
10. CARB, 2016, California Greenhouse Gas Inventory 2000-2014, available at: https://www.arb.ca.gov/cc/inventory/pubs/reports/2000_2014/ghg_inventory_trends_00-14_20160617.pdf
11. CARB, 2014, First Update to the Climate Change Scoping Plan, available at: https://www.arb.ca.gov/cc/scopingplan/document/updatedscopingplan2013.htm.
12. City of Los Angeles LADOT Transportation Impact Study Guidelines, 2016.
13. Review of Cortese Lists (Government Code Section 65962.5) at ca.gov by C. Adams, LABOE-EMG, Aug 29, 2018..
14. City of Los Angeles Department of City Planning. *San Pedro Community Plan EIR*

State Clearinghouse No. 2008021004, August 2012, hyperlink at: http://cityplanning.lacity.org/EIR/SanPedro/DEIR/TOC_DraftEIR.htm

ATTACHMENTS

A. Project Description Information
B. Biological Resources Information
C. Traffic Information
D. Noise Information
E. Air Quality/Green House Gas Resources Information
F. Aesthetic/Visual Information
G. Hazardous Materials Information
H. Cultural Resources Information
I. Human Health Risk Information

This page intentionally left blank.

ATTACHMENT A. PROJECT DESCRIPTION INFORMATION

This page intentionally left blank.

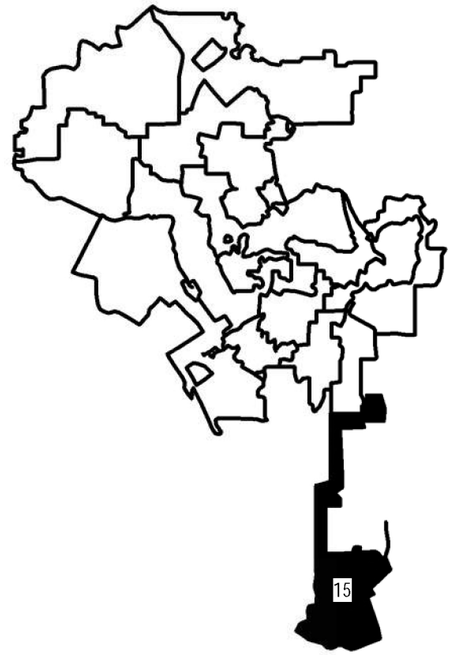
PROGRESS & CONFIDENTIAL



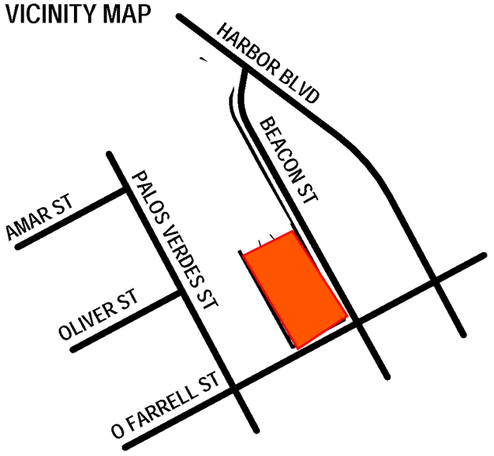
PERKINS+WILL
CITY OF LA | **A BRIDGE HOME**
CD10 BEACON
date: 27 SEPT 2018
scale: AS NOTED

CITY OF LOS ANGELES
A BRIDGE HOME SHELTER

COUNCIL DISTRICT MAP



VICINITY MAP



PROJECT DATA

NUMBER OF HOUSED:	**102 BEDS**
ANTICIPATED COST:	**$X.XXM**
SITE AREA:	**134,841 SF**

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

COUNCIL DISTRICT 15

PROJECT DATA

W.O. #	###### ###
Date	09/27/2018
Drawn by	Author
Checked by	Checker
Scale	12" = 1'-0"

A-1

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP

A BRIDGE HOME SHELTER
CD15 BEACON v2

515 NORTH BEACON STREET, SAN PEDRO, CA 90731

PROGRESS & CONFIDENTIAL



PERKINS+WILL
CITY OF LA | **A BRIDGE HOME**
CD10 BEACON
date: 27 SEPT 2018
scale: AS NOTED

1 SITE PLAN
1/32" = 1'-0"

0' 10' 20' 30' 60' 120'

PROPOSED SITE INFORMATION

ARCHITECTURE KEYNOTES
A01 60' x 180' TENT STRUCTURE
A02 12' x 60' HYGIENE TRAILER
A03 FREE STANDING SHADE STRUCTURE
A04 24' x 40' ADMIN TRAILER
A05 FENCING (STREET & ONSITE) +/- 600 LF
A06 EXTERIOR DINING AREA
A07 60-GAL STORAGE CONTAINER YARD
A08 OUTDOOR PET AREA
A09 OFF-STREET LOADING ZONE
A10 WASTE & RECYCLING CONTAINERS
A11 SMOKING AREA
A12 BIKE RACKS
A13 GENERAL OPEN SPACE

SITE / CIVIL KEYNOTES
C01 DOMESTIC WATER: (E) 3" DOMESTIC WATER METER ON BEACON ST
- (N) 3" DOMESTIC WATER LINE ON-SITE (90' RUN, 36" MIN. COVER)
- (N) 3" DOMESTIC WATER BLACKFLOW PREVENTER (1 UNIT)

C02 FIRE WATER: (N) 6" FIRE WATER LATERAL ON BEACON ST (35' RUN, 36" MIN. COVER)
- (N) 6" DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER (1 UNIT)
- (N) 6" FIRE WATER LINE ON-SITE (65' RUN, 36" MIN. COVER)

C03 SANITARY SEWER: (N) 6" SANITARY SEWER LATERAL ON BEACON ST (30' RUN, 30" MIN. COVER, 2% SLOPE MIN.)
- (N) 6" SANITARY SEWER LINE ON-SITE (100' RUN, 30" MIN. COVER, 2% SLOPE MIN.)
- STORM DRAIN: NONE - USE EXISTING

C04 (N) CAST IN PLACE PARKING ISLAND
C05 GEOTECHNICAL REVIEW AND SOIL EROSION MEASURES REQUIRED AT STEEP SLOPE

MECHANICAL KEYNOTES
M01 (N) HVAC UNITS

PLUMBING KEYNOTES
P01 600CFH NATURAL GAS IS REQUIRED FOR THE HYGIENE STATION TRAILER.
GAS DEVELOPED LENGTH OF PIPE 150'-0", IF 5 PSI SUPPLY NATURAL GAS SUPPLY PRESSURE AT THE STREET FROM SOUTHERN CALIFORNIA GAS, THEN PIPE SIZE IS 1/2".
GAS DEVELOPED LENGTH OF PIPE 150'-0", IF 2 PSI SUPPLY NATURAL GAS SUPPLY PRESSURE AT THE STREET FROM SOUTHERN CALIFORNIA GAS, THEN PIPE SIZE IS 3/4".

ELECTRICAL KEYNOTES
E01 NEW UNDERGROUND LADWP COMMERCIAL SERVICE.
NEW SERVICE SHALL BE 400 AMP, 3 PHASE, 480Y/277-VOLTS 4-WIRES.
LADWP PAD-MOUNTED TRANSFORMER IN THE CUSTOMER PREMISES, SUITABLE LOCATION TO FOLLOW. POC PRIMARY SERVICE AT THE PROPERTY LINE EXPECTED AT THE NORTH END OF N BEACON STREET, EXACT LOCATION TO BE COORDINATED WITH LADWP SERVICE PLANNER. PRIMARY AND SECONDARY CONDUITS: AS PER LADWP REQUIREMENTS. LATERAL DISTANCE BETWEEN THE LADWP PAD-MOUNTED TRANSFORMER AND CUSTOMER SERVICE SWITCHBOARD: MAXIMUM 300 FT (MAX. 1% VOLTAGE DROP)

TELECOMMUNICATIONS KEYNOTES
T01 REQUIRED NEW TELEPHONE LINES, 50 PAIR CU WITH (1) 3" UNDERGROUND ENTRANCE CONDUIT TO MPOE.
(1) 3" UNDERGROUND CONDUIT FOR FIBER INTERNET SERVICE TO MPOE ROOM.
MPOE ROOM SHALL BE INDOOR, 6FT X 8FT SIZE

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

COUNCIL DISTRICT 15

SITE PLAN

W.O. #	###### ###
Date	09/27/2018
Drawn by	Author
Checked by	Checker
Scale	1/32" = 1'-0"

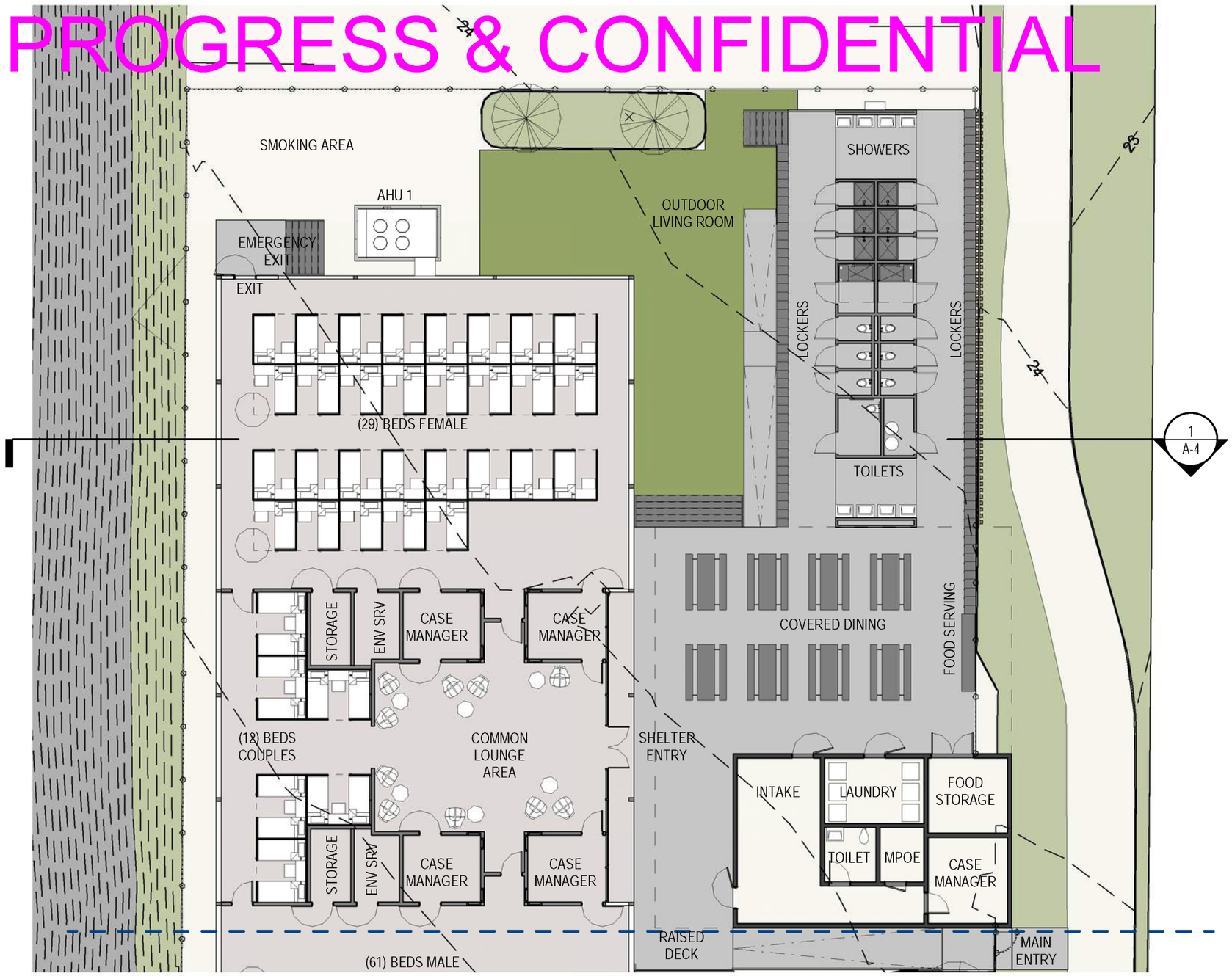
A-2

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP

A BRIDGE HOME SHELTER
CD15 BEACON v2

515 NORTH BEACON STREET, SAN PEDRO, CA 90731

PROGRESS & CONFIDENTIAL



PROGRAM MATRIX

TENT STRUCTURE 60' x 120'	10,800 SF
TOTAL BEDS	102
FEMALE BEDS (6' x 8')	29
MALE BEDS (6' x 8')	61
COUPLE BEDS (8' x 8')	12
CASE MANAGER (4 @ 120 SF)	480 SF
COMMON AREA	1000 SF
STORAGE	50 SF
ENVIRONMENTAL SERVICES	50 SF
HYGIENE STATION 12' x 60'	720 SF
TOILETS (1:15)	7
SHOWERS (1:15)	8
LAVATORIES	8
WATER HEATERS	2
ADMINISTRATION 24' x 40'	960 SF
SECURE INTAKE OFFICE	300 SF
CASE MANAGER	120 SF
STAFF TOILET	90 SF
FOOD STORAGE	165 SF
LAUNDRY	130 SF
MPOE	48 SF
OUTDOOR AREAS	
COVERED DINING AREA	880 SF
FOOD SERVING	120 SF
PET RELIEF AREA	1020 SF
STORAGE BIN AREA	450 SF
BINS (3 HIGH)	102 EA
AMNESTY LOCKERS	102 EA
COVERED WALKWAYS	350 SF
OPEN TRELLIS	1500 SF
ELEVATED DECK (TOTAL)	3750 SF
RAMPS (2 @ 45' LONG)	90 LF
STAIRS (6 RISERS)	2 FLTS
STAIRS (8 RISERS)	2 FLTS

PERKINS + WILL
CITY OF LA | **A BRIDGE HOME**
CD10 BEACON
date: 27 SEPT 2018
scale: AS NOTED

1 ENLARGED FLOOR PLAN - LEVEL 01 - SEGMENT A
1/16" = 1'-0"

0' 2.5' 5' 7.5' 15' 30'

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

COUNCIL DISTRICT 15

FLOOR PLAN SEGMENT A

A-3A

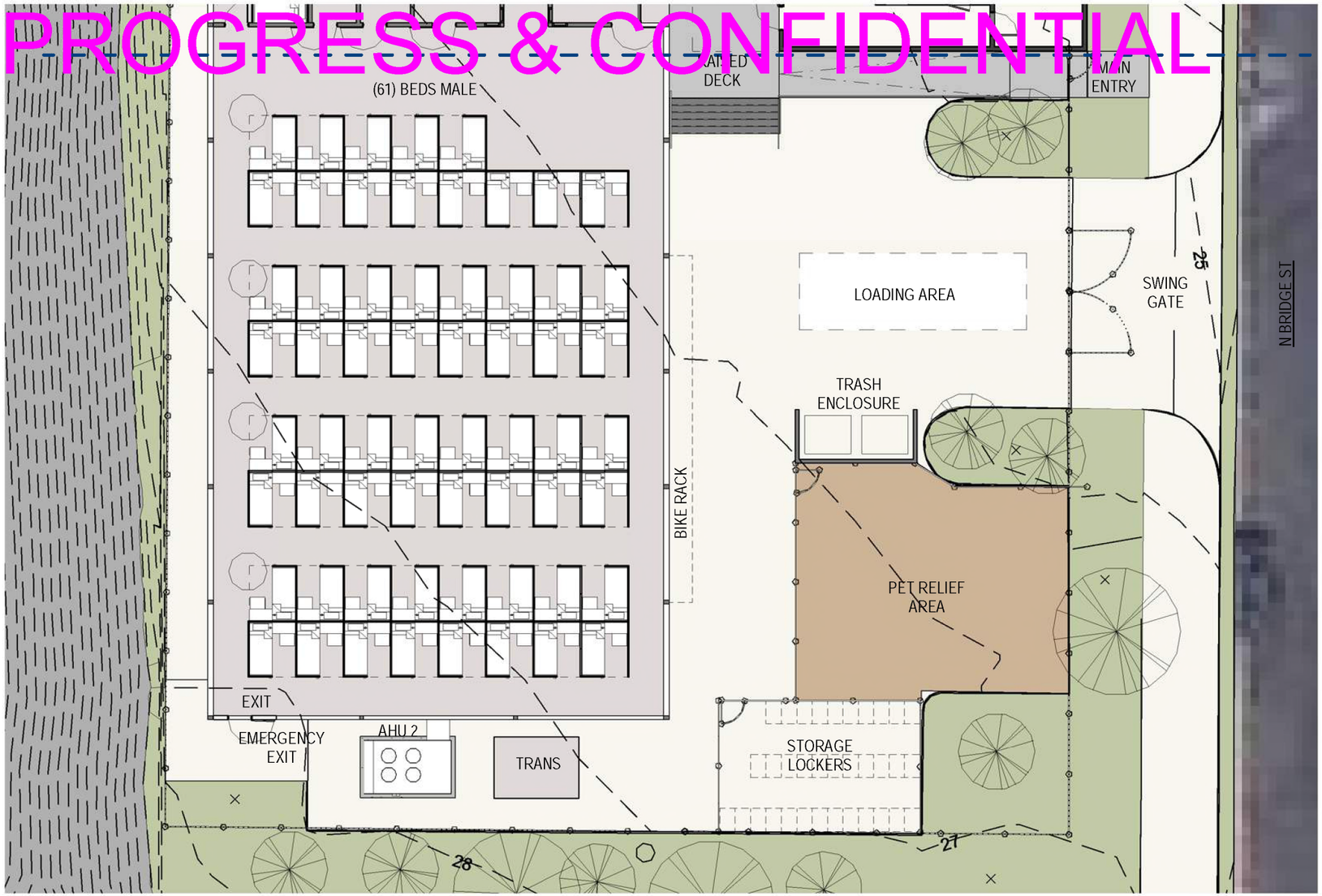
W.O. #	###### ###
Date	09/27/2018
Drawn by	Author
Checked by	Checker
Scale	1/16" = 1'-0"

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP

A BRIDGE HOME SHELTER
CD15 BEACON v2

515 NORTH BEACON STREET, SAN PEDRO, CA 90731

PROGRESS & CONFIDENTIAL



PROGRAM MATRIX

TENT STRUCTURE 60' x 120'	10,800 SF
TOTAL BEDS	102
FEMALE BEDS (6' x 8')	29
MALE BEDS (6' x 8')	61
COUPLE BEDS (8' x 8')	12
CASE MANAGER (4 @ 120 SF)	480 SF
COMMON AREA	1000 SF
STORAGE	50 SF
ENVIRONMENTAL SERVICES	50 SF
HYGIENE STATION 12' x 60'	720 SF
TOILETS (1:15)	7
SHOWERS (1:15)	8
LAVATORIES	8
WATER HEATERS	2
ADMINISTRATION 24' x 40'	960 SF
SECURE INTAKE OFFICE	300 SF
CASE MANAGER	120 SF
STAFF TOILET	90 SF
FOOD STORAGE	165 SF
LAUNDRY	130 SF
MPOE	48 SF
OUTDOOR AREAS	
COVERED DINING AREA	880 SF
FOOD SERVING	120 SF
PET RELIEF AREA	1020 SF
STORAGE BIN AREA	450 SF
BINS (3 HIGH)	102 EA
AMNESTY LOCKERS	102 EA
COVERED WALKWAYS	350 SF
OPEN TRELLIS	1500 SF
ELEVATED DECK (TOTAL)	3750 SF
RAMPS (2 @ 45' LONG)	90 LF
STAIRS (6 RISERS)	2 FLTS
STAIRS (8 RISERS)	2 FLTS

PERKINS + WILL
CITY OF LA | **A BRIDGE HOME**
CD10 BEACON
date: 27 SEPT 2018
scale: AS NOTED

1 ENLARGED FLOOR PLAN - LEVEL 01 - SEGMENT B
1/16" = 1'-0"

0' 2.5' 5' 7.5' 15' 30'

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

COUNCIL DISTRICT 15

FLOOR PLAN SEGMENT B

W.O. # ######.###
Date 09/27/2018
Drawn by Author
Checked by Checker
Scale 1/16" = 1'-0"

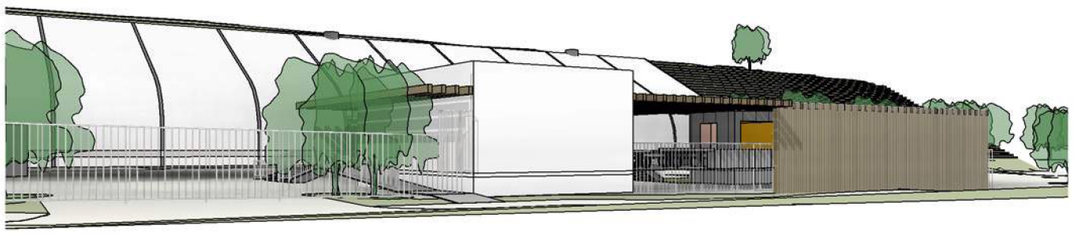
A-3B

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP

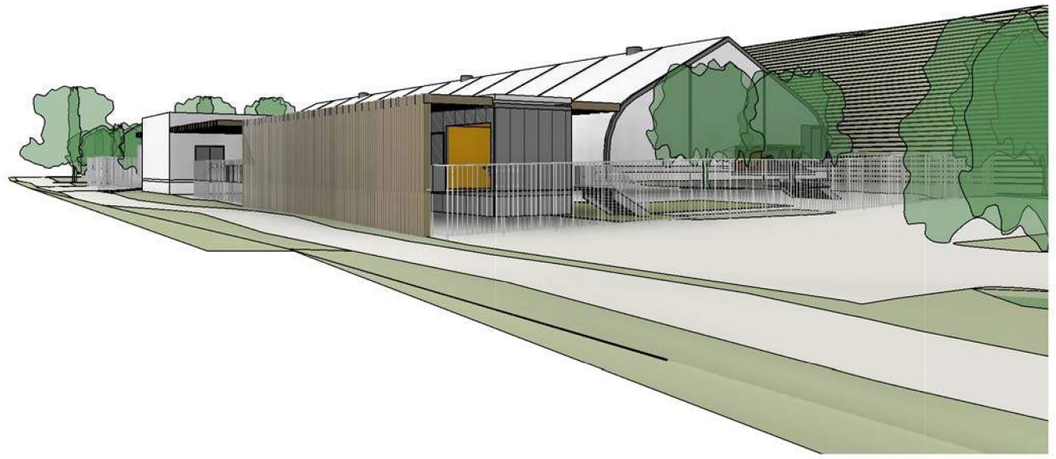
A BRIDGE HOME SHELTER
CD15 BEACON v2

515 NORTH BEACON STREET, SAN PEDRO, CA 90731

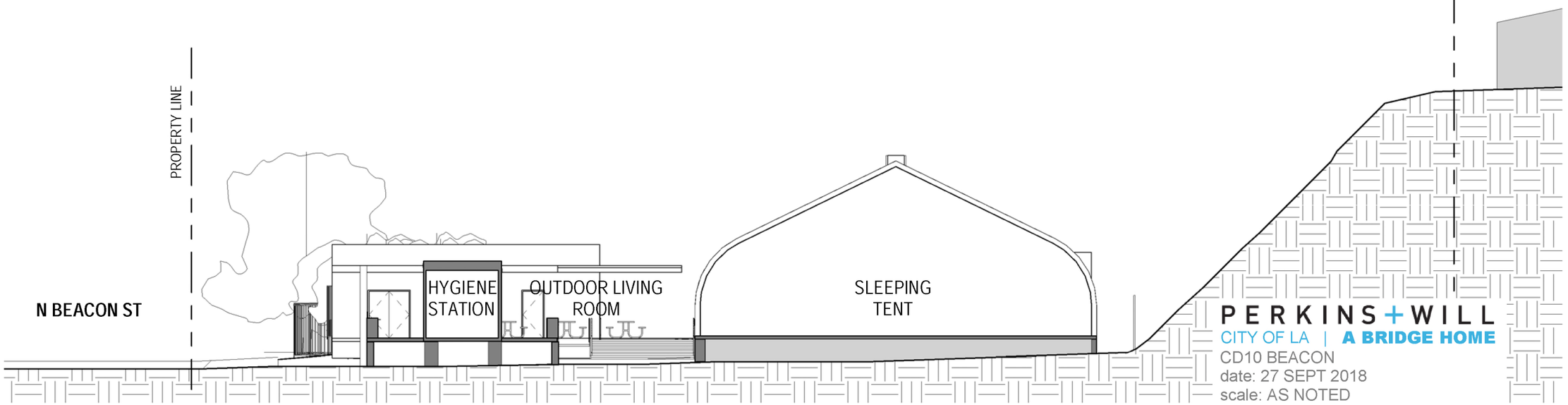
PROGRESS & CONFIDENTIAL



PERSPECTIVE VIEW FROM BEACON ST



PERSPECTIVE VIEW FROM BEACON ST



1 SITE SECTION
1/16" = 1'-0"

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

COUNCIL DISTRICT 15

VIEWS & SITE SECTION

W.O. #	###### ###
Date	09/27/2018
Drawn by	Author
Checked by	Checker
Scale	1/16" = 1'-0"

A-4

CITY ENGINEER

GARY LEE MOORE, PE, ENV SP

A BRIDGE HOME SHELTER
CD15 BEACON v2

515 NORTH BEACON STREET, SAN PEDRO, CA 90731

PROGRESS & CONFIDENTIAL



PERKINS+WILL
CITY OF LA | **A BRIDGE HOME**
CD10 BEACON
date: 27 SEPT 2018
scale: AS NOTED

1 EXISTING CONDITIONS
1/32" = 1'-0"

0' 10' 20' 30' 60' 120'

EXISTING SITE INFORMATION

LOT AREA	134,841 SF
ZONING	C2-2D-CPIO
USE OF LAND	PARKING LOT
GENERAL PLAN	COMMUNITY COMMERCIAL
EASEMENTS	NONE FOUND
SEISMIC CONDITIONS	ACTIVE FAULT NEAR-SOURCE ZONE
LIQUEFACTION	NO
HILLSIDE AREA	YES
FLOOD ZONE	NO
METHANE HAZARD	NO
OIL WELLS	NO
TOPOGRAPHY	+/- 1.3% SLOPE TO SE
TREES	5 TO BE REMOVED
ACCESSIBILITY	FEASIBLE
LOW IMPACT DEVELOP	WAIVED
HISTORIC / CULTURAL	NO
FIRE & VEHICLE ACCESS	ONSTREET

EXISTING UTILITY INFORMATION

DOMESTIC WATER: ONE 8" MAIN WATER LINE ON N BEACON STREET AND ONE 12" MAIN WATER LINE ON W O'FARRELL STREET.

FIRE HYDRANT: THERE ARE EXISTING TWO FIRE HYDRANTS LOCATED ON N BEACON STREET ALONG THE FACE OF THE PROJECT SITE.

SANITARY SEWER: ONE 8" MAIN SANITARY SEWER LINE AND ONE 33" MAIN SANITARY SEWER ON N BEACON STREET, ONE 8" MAIN SANITARY SEWER LINE ON W O'FARRELL STREET AND ONE 8" MAIN SANITARY SEWER LINE THAT RUNS ALONG THE NORTH SIDE OF THE PROJECT SITE.

STORM DRAIN: ONE 16" STORM DRAIN MAIN LINE THAT RUNS ALONG THE WEST SIDE OF THE PROJECT SITE.

NATURAL GAS SERVICE: NO NATURAL GAS SERVICE AT THE SITE.

ELECTRICAL

- THE EXISTING ELECTRICAL SERVICE APPEARS TO BE FROM POLE MOUNTED TRANSFORMER AT THE NORTH-WEST CROSS SECTION OF O FARRELL AND N BEACON STREET. THE SERVICE FEEDER APPEARS COMING DOWN FROM POLE # 302070M TO THE FREESTANDING METER PEDESTAL AT THE SOUTH-EAST CORNER OF THE PARCEL. NAME PLATE ON THE SERVICE PEDESTAL INDICATED THE SYSTEM VOLTAGE IS 240/120V-1PH-3W, AND ALSO LABELED "CALTRANS CO #07-1101A4", HOWEVER WITHOUT VISUAL INDICATION OF THE SERVICE AMPACITY.
- THE EXISTING METER PEDESTAL IS LOCKED, THRU VISUAL WINDOW THE LADWP METER #M9-792930 INSTALLED AND APPEARS ENERGIZED.
- EXISTING ELECTRICAL LOAD ARE 4 POLE TWIN COBRA HEAD FLOOD LIGHTS IN THE CENTER OF PARKING LOT AND 8 POLE SINGLE HEAD ALONG THE PERIMETER OF THE PARKING LOT.
- EXISTING ELECTRICAL SERVICE IS FOR THE CURRENT PARKING LOT LIGHTS; WHICH WILL NOT BE SUITABLE NOR ADEQUATE FOR THE NEW FACILITY. SEPARATE NEW LADWP SERVICE WILL BE REQUIRED IF THE PARKING LIGHTS SERVED BY EXISTING SERVICE TO BE MAINTAINED.

DEMOLITION INFORMATION

D01 REMOVAL OF 5 (E) TREES
D02 REMOVAL OF 1 (E) PARKING ISLANDS & 4 (E) PARKING DIAMONDS
D03 REMOVAL OF 1 (E) PARKING LIGHT POLES & BASES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

COUNCIL DISTRICT 15

EXISTING CONDITIONS

A-5

W.O. ######
Date 09/27/2018
Drawn by Author
Checked by Checker
Scale 1/32" = 1'-0"

CITY ENGINEER

GARY LEE MOORE, PE, ENV SP

A BRIDGE HOME SHELTER
CD15 BEACON v2

515 NORTH BEACON STREET, SAN PEDRO, CA 90731

PROGRESS & CONFIDENTIAL



SITE PHOTO J



SITE PHOTO H



SITE PHOTO G



SITE PHOTO F



SITE PHOTO E



SITE PHOTO D



SITE PHOTO C



SITE PHOTO B



SITE PHOTO A

PERKINS+WILL
CITY OF LA | **A BRIDGE HOME**
CD10 BEACON
date: 27 SEPT 2018
scale: AS NOTED

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

COUNCIL DISTRICT 15

EXISTING SITE PHOTOS

W.O. #	######.###
Date	09/27/2018
Drawn by	Author
Checked by	Checker
Scale	12" = 1'-0"

A-6

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER

A BRIDGE HOME SHELTER
CD15 BEACON v2

515 NORTH BEACON STREET, SAN PEDRO, CA 90731

ATTACHMENT B. BIOLOGICAL RESOURCES INFORMATION

This page intentionally left blank.

AECOM
300 S Grand Avenue,
Los Angeles, CA 90071 213.593.8100 tel
www.aecom.com 213.593.8053 fax

Memorandum

To	Ms. Heloise Froelich Environmental Management Group Bureau of Engineering, Department of Public Works	Pages 12
Subject	Bridge Housing Project on N. Beacon Street in San Pedro: Biological Resources Technical Memorandum	
From	Arthur Popp, AECOM	
Date	November 8, 2018	

PURPOSE

A Biological Resource Survey was conducted on the project site on October 23, 2018 to evaluate the biological characteristics at the proposed project site. This assessment will help inform the California Environmental Quality Act (CEQA) analysis required for the proposed use.

Biological Study Area

The pedestrian biological study area (BSA) surveyed in support of the project included the footprint of the proposed project site and adjacent sites, as accessible. The project area of significance used for a biological desk-top review of the project includes the combined footprint of the project site and adjacent properties, and a 500-foot buffer. The project occurs in the northeast corner of the San Pedro California 2015 U.S. Geological Survey (USGS) 7.5-minute quadrangle map (quad map), and is surrounded by the Long Beach, Torrance, and Redondo Beach quad maps. A search of relevant databases focused on these four quad maps. Database searches were limited to 4 quads, given the project's proximity to the coast, rather than the typical 9-quad search.

PROJECT LOCATION

The proposed project would be located within a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The Caltrans-owned project site is located at 515 North Beacon Street in the San Pedro community within Council District (CD) 15 in the City of Los Angeles. The addresses that comprise the entire project site include 407, 427, and 437 North Beacon Street. The associated Assessor Parcel No. (APN) is 7449-007-900. The parking lot is located just south of the Interstate 110 (I-110)/Harbor Boulevard interchange and the project site is comprised of a total of approximately 49,500 square feet. The project site is currently utilized as a Park and Ride Lot for Caltrans and is occasionally used as a construction

equipment and trailer staging area by both Caltrans and Port of Los Angeles. It is zoned C2-2D-CPIO with a Community Commercial land use designation. Surrounding parcels to the north, south and east are also zoned C2-2D-CPIO with a Community Commercial land use designation and to the west, the zoning is RD2-1XL-CPIO with a Low Medium II Residential land use.

The project site is located in a highly urbanized and densely populated area of the City, near the Port of Los Angeles. It lies approximately 0.15 mile south of California Highway 47 (Seaside Freeway), and just west of North Harbor Boulevard. The site is generally bound by North Beacon Street to the east, West O'Farrell Street to the south, and North Palos Verdes Street to the west, as shown below in *Figure 1 - Project Location*.

Figure 1 - Project Location



PROJECT DESCRIPTION

The City of Los Angeles would lease the project site from Caltrans for the proposed project. The proposed project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The proposed project would be a temporary facility (3 years) and would be operated by the City through Los Angeles Homeless Services Authority, or another City vendor. The project site and surrounding area are within a highly urbanized and densely populated area of Los Angeles near the Port of Los Angeles.

The project site includes fourteen existing non-native ornamental trees and some shrubs. Any trees removed as part of the project will be replaced after the temporary use is completed per the Recreation and Parks Department Tree Replacement Policy.

The project site will be operated by the Los Angeles Homeless Services Authority, or other City vendor. The site will be continuously staffed with security and provided with directional lighting for security. The site will have a full staff during operational hours. The project will not significantly affect environmental resources.

Additionally, developing on a Caltrans-controlled property may require other entitlements, and it is assumed that a Caltrans Encroachment Permit may be necessary.

The project design shall comply with a construction management plan that includes project design conditions, as necessary, to protect the health, safety, or convenience of affected sensitive receptors, located in the neighborhood that surrounds the project. The construction management plan and appropriate design conditions have been selected from the *City of Los Angeles, Bureau of Engineering, Master Specifications, Division 01, General Requirements, Section 01562, Part 1.1.C.* Selected design conditions are detailed further under applicable resource area analyses. In addition, unless otherwise stated, the proposed project will be designed, constructed and operated following all applicable laws, regulations, ordinances and formally adopted City standards including but not limited to:

- Los Angeles Municipal Code
- Bureau of Engineering Standard Plans
- Standard Specifications for Public Works Construction
- Work Area Traffic Control Handbook
- Additions and Amendments to the Standard Specifications for Public Works Construction

In addition, regulatory control measures (RCMs) will be included with the proposed project as required by the laws, rules and regulations listed below under Regulatory Setting. Also, RCMs related to fugitive dust (e.g. implementation of South Coast Air Quality Management District [SCAQMD]) Rule 403), erosion control (e.g., implementation of a Storm Water Pollution Prevention Plan), and noise (e.g., properly maintained equipment) would be included as part of the project. In addition, RCMs such as conducting preconstruction surveys for nesting birds and providing a biological monitor should nesting birds be present during construction would also be included.

ENVIRONMENTAL SETTING

The project site lies at an elevation of approximately 25 feet above mean sea level (msl). It consists of a paved parking lot with landscape islands containing ornamental trees and shrubs. Ornamental trees also occur along the south and east perimeter of the parking lot. Roadways lie adjacent to the project site to the south and east, another parking lot lies immediately to the north, and a partially vegetated slope up to homes occurs along the west side of the project site. The project site and surrounding areas do not harbor native habitats and do not occur in a wildland area or wildland corridor. The nearest native habitats lie approximately five miles west of the project site in the Palos Verdes Nature Preserve, in the City of Rancho Palos Verdes. The site is not mapped within a Los Angeles County Significant Ecological Area or an Environmental Sensitive Habitat Area as referenced in the San Pedro Community Plan.

Fourteen (14) trees were identified on the project site during the field survey, primarily occurring

along the south east perimeter of the existing parking lot, with four trees occurring in a landscaped island in the interior of the parking lot. Photos of the project site are included in *Attachment A. Project Site Photos*.

REGULATORY SETTING

Several regulations and standards have been established by federal, state, and local agencies to protect and conserve biological resources. The project will comply with regulations and standards listed below. RCMs will be included with the proposed project as required by the laws, rules and regulations:

Federal Regulations and Standards
- Endangered Species Act (ESA)
- Migratory Bird Treaty Act (MBTA)
- Clean Water Act (CWA)

State Regulations and Standards
- California Fish and Game Code (CFGC)
- Porter-Cologne Water Quality Control Act
- California Environmental Quality Act (CEQA)
- California Coastal Act

Local Regulations and Standards
- County of Los Angeles Regional Planning Significant Ecological Areas (SEA) Program
- South Coast Air Quality Management District
- City of Los Angeles Tree Ordinance
- County of Los Angeles Oak Tree Ordinance
- Recreation and Parks Department Tree Replacement Policy

BIOLOGICAL SURVEY FINDINGS

Vegetation Communities and Land Cover Types

Historically, the BSA and surrounding areas were composed of coastal bluff scrub and coastal sage scrub communities. However, during development of the area these communities were fragmented and invaded by non-native plant species, resulting in remnant natural vegetation communities occurring in mostly developed, urban areas. No natural vegetation communities occur within the BSA.

Observations of common and community indicator species were recorded and are included in the vegetation community and land cover type descriptions below. During the field survey, 13 plant species were noted in the BSA, one of which was native.

Plant species recorded within the BSA, with a focus on those species occurring within the project site, are described below.

Plants

Vegetation within the project site consists entirely of non-native ornamentals occurring in landscape islands within the parking lot, and trees lined along the southern perimeter of the

project site, and extending north along the eastern perimeter of the site. The slope between the project site and the homes located west of the site is dominated by non-native annual grasses (*Bromus* sp.) and ice plant (*Carpobrotus edulis*), with ornamental trees and shrubs interspersed.

Roughly fourteen (14) trees are present within the project site, all typical non-native ornamental species found in the City. Eight Chinese Flame trees (*Koelreuteria bipinnata*) are located in the southeast corner of the project site, and appear to have been planted during the same time frame. Several London Plane trees (*Platanus x acerifolia*) are located within planters in the middle of the project site, oriented in a north-south alignment. One Brazillian pepper (*Schinus terebinthifolius*) is located in the southwest corner of the project site. Several saplings have sprouted on-site, including one ash (*Fraxinus* sp.) and several Mexican fan palms *(Washingtonia robusta)*. None of the above-mentioned trees are native to California, and none are protected by the County of Los Angeles oak tree ordinance or the City of Los Angeles ordinance for the preservation of protected trees. No special-status plant species were observed during the survey.

Wildlife

Wildlife species observed within the project site and surrounding area included seven species typical of urban environments. Five bird and two insect species were detected, including American crow (*Corvus brachyrhynchos*), Western gull (*Larus occidentalis*), house sparrow (*Passer domesticus*), house finch (*Haemorhous mexicanus*), and Anna's hummingbird (*Calypte anna*). No bird nests or nesting activities were observed on the project site. Two species of ants, the native California harvester ant (*Pogonomyrmex californicus*), and the introduced and highly invasive Argentine ant (*Linepithema humile*), were common on-site. No special-status wildlife species were observed during the survey.

Wildlife Corridor

In an urban context, a wildlife migration corridor can be defined as a linear landscape feature of sufficient width and buffer to allow animal movement between two comparatively undisturbed habitat fragments, or between a habitat fragment and some vital resource that encourages population growth and diversity. Habitat fragments are isolated patches of habitat separated by otherwise foreign or inhospitable areas, such as urban tracts or highways. Two types of wildlife migration corridors seen in urban settings are regional corridors, defined as those linking two or more large areas of natural open space, and local corridors, defined as those allowing resident wildlife to access critical resources (food, cover, and water) in a smaller area that might otherwise be isolated by urban development.

The project site does not occur within an established regional wildlife corridor, nor does it likely serve as a significant local corridor. The project site occurs in a heavily-urbanized and densely populated area of the City. Ornamental trees on-site and in the surrounding area may provide some opportunities for cover, resting, foraging, and nesting to localized bird populations; however, they do not function as a significant regional or local wildlife movement corridor.

Special-Status Biological Species

The California Natural Diversity Database (CNDDB) and the California Native Plant Society's (CNPS) on-line Inventory of Rare and Endangered Plants of California were reviewed for the most recent distribution information for special-status plant and wildlife species and sensitive natural communities within the San Pedro quadrangle and surrounding three quadrangles

including: Torrance, Long Beach, and Redondo Beach. The results of these database searches are included in *Attachment B Special-Status Species and Natural Vegetation Communities Considered*, and represent the regional special-status species that were evaluated for the project. Additionally, information on regional special-status plant and wildlife species was compiled through a review of:

- State and Federally Listed Endangered, Threatened, and Rare Plants of California
- State and Federally Listed Special Vascular Plants, Bryophytes, and Lichens List
- State and Federally Listed Endangered and Threatened Animals of California
- State and Federally Listed Special Animals List
- USFWS Information for Planning and Conservation on-line database

Special-Status Plant Species

Special-status plant species include those listed as Endangered, Threatened, Rare, or those species proposed for listing by the United States Fish and Wildlife Service (USFWS) under the federal Endangered Species Act (FESA)[1], those listed by CDFW under the California Endangered Species Act (CESA)[2], and CNPS.[3] The CNPS inventory is sanctioned by the California Department of Fish & Wildlife (CDFW) and essentially serves as the list of candidate plant species for state listing. The CNPS has a ranking system for rare plants. Those species listed on the CNPS California Rare Plant Ranks (CRPR) as 1B and 2 are considered eligible for state listing as endangered or threatened.

A total of twenty seven plant species were identified from CNDDB (CDFW 2018a) and CNPS (CNPS 2018) database searches of the San Pedro and surrounding three quad maps, and from an on-line review of the USFWS Information for Planning and Consultation (IPaC) database for the project area, including three federal and/or State-listed plant species; salt marsh bird's beak (*Chloropyron maritimum* ssp. *maritimum*), California orcutt grass (*Orcuttia californica*), and Lyon's pentachaeta (*Pentachaeta lyonii*). No special-status plant species were observed during the site survey nor have they been recorded from within the BSA. The BSA does not contain suitable habitat for any of these species, and as a result they are not anticipated to occur within the BSA. The 27 special-status plant species identified by the database reviews, their status, and habitat requirements are provided in Table A, *Attachment B*.

No special-status plant species were observed during the site survey or have been recorded from within the BSA, and the project site does not provide habitat potentially suitable for any special-status plants. As a result, no special-status plant species are anticipated to occur in the project site. Additionally, no USFWS-designated critical habitat for any special-status plant species coincides with the BSA.

[1] Species listed or proposed for listing as threatened or endangered under the federal Endangered Species Act (Title 50 Code of Federal Regulations [CFR] 17.12 [listed plants], Title 50 CFR 17.11 [listed animals] and includes notices in the Federal Register for proposed species).

[2] Species listed or proposed for listing by the State of California as threatened or endangered under the California Endangered Species Act (Title 14 California Code of Regulations 670.5).

[3] Plants listed as rare under the California Native Plant Protection Act (California Fish and Game Code Section 1900 *et seq.*).

Special-Status Wildlife Species

Special-status wildlife species include those listed by the USFWS under FESA and by CDFW under CESA. USFWS officially lists species as either threatened, endangered, or as candidates for listing. Additional species receive federal protection under the Bald Eagle Protection Act (e.g., bald eagle, golden eagle), the Migratory Bird Treaty Act (MBTA), and state protection under CEQA Guidelines Section 15380(d).

All birds, except European starlings, English house sparrows, rock doves (pigeons), and non-migratory game birds such as quail, pheasant, and grouse are protected under the MBTA. However, non-migratory game birds are protected under California Fish and Game Code (CFGC) Section 3503. Many other species are considered by CDFW to be California Species of Special Concern (SSC) and others are on a CDFW Watch List (WL). The CNDDB tracks species within California for which there is a conservation concern, including many that are not formally listed, and assigns those species a CNDDB Rank. Although CDFW SSC and WL species and species that are tracked by the CNDDB are not formally listed and are afforded no official legal status, they may receive special consideration during the environmental review process. CDFW further classifies some species as "Fully Protected" (FP), indicating that the species may not be taken or possessed except for scientific purposes, under special permit from CDFW (CDFW 2018b). Additionally, CFGC Sections 3503, 3505, and 3800 prohibit the take, destruction, or possession of any bird, nest, or egg of any bird except English house sparrows and European starlings unless authorization is obtained from CDFW.

A total of 23 wildlife species were identified from the CNDDB (CDFW 2018a) search of the San Pedro and surrounding three quad maps, and from an on-line review of the IPaC (USFWS 2018) database, including nine federal and/or State-listed wildlife species; Riverside fairy shrimp (*Streptocephalus woottoni*), Mohavi tui chub (*Siphateles bicolor mohavensis*), tricolored blackbird (*Agelaius tricolor*), western snowy plover (*Charadrius nivosus nivosus*), western yellow-billed cuckoo (*Coccyzus americanus occidentalis*), coastal California gnatcatcher (*Polioptila californica californica*), bank swallow (*Riparia riparia*), California least tern (*Sternula antillarum browni*), and Pacific pocket mouse (*Perognathus longimembris pacificus*). The 23 special-status wildlife species identified by the database reviews, their status, and habitat requirements are provided in Table B, *Attachment B*.

No special-status wildlife species were observed during the site survey or have been recorded from within the BSA, and the project site does not provide habitat potentially suitable for any special-status wildlife. As a result, no special-status wildlife species are anticipated to occur in the project site. Additionally, no USFWS-designated critical habitat for any special-status wildlife species coincides with the project site.

Sensitive Natural Communities

Sensitive natural communities are those that are designated as rare in the region by the CNDDB, support special-status plant or wildlife species, or receive regulatory protection (i.e., Section 404 of the Clean Water Act (CWA) and/or Sections 1600 et seq. of the CFGC).

Rare communities are given the highest inventory priority. Based on a review of the CNDDB, one sensitive vegetative community, Southern coastal bluff scrub, has been recorded within the San Pedro and surrounding three quad maps. Southern coastal bluff scrub is a community generally documented in the CNDDB from over three miles to the south and west along the coast of the Palos Verdes peninsula.

No sensitive natural communities occur within the BSA. On-site vegetation consists of ornamental and garden species that are common in urban environments. Additionally, no sensitive aquatic communities (i.e. wetlands or other waters) under regulatory jurisdiction of the U.S. Army Corps of Engineers (USACE), CDFW, and the Regional Water Quality Control Board (RWQCB) occur on-site.

THRESHOLDS

No special-status plant and wildlife species were observed on-site or within the BSA and no habitat potentially suitable for special-status species was observed on-site or within the BSA. As a result, special status biological species are not expected to occur within the site or BSA. The nearest natural communities that provide potentially suitable habitat for regional special-status biological species occur over five miles west of the project site in the Palos Verdes Nature Preserve in the City of Rancho Palos Verdes.

IMPACT ANALYSIS

Impacts on Biological Resources

Biological resources may be either directly or indirectly impacted by a project. Direct and indirect impacts may be either permanent or temporary in nature. These impact categories are defined below.

Direct: Any alteration, physical disturbance, or destruction of biological resources that would result from project-related activities is considered a direct impact. Examples include clearing vegetation, encroaching into wetlands or a stream, and the loss of individual species and/or their habitats.

Indirect: As a result of project-related activities, biological resources may also be affected in a manner that is ancillary to physical impacts. Examples include elevated noise and dust levels, soil compaction, increased human activity, decreased water quality, and the introduction of invasive wildlife (domestic cats and dogs) and plants.

Permanent: All impacts that result in the long-term or irreversible removal of biological resources are considered permanent. Examples include constructing a building or permanent road on an area containing biological resources.

Temporary: Any impacts considered to have reversible effects on biological resources can be viewed as temporary. Examples include the generation of fugitive dust during construction; or removing vegetation in preparation for earth stabilization activities, and either allowing the natural vegetation to recolonize or actively revegetating the impact area. Surface disturbance that removes vegetation and disturbs the soil is considered a long-term temporary impact because of slow natural recovery in arid ecosystems.

Construction: Implementation of the project would result in the removal of trees, which will be replanted in the nearby area. Therefore, no direct significant effect is anticipated.

Indirect impacts to vegetation inside and outside the project site could include the accumulation of fugitive dust, and the colonization of nonnative, invasive plant species. Other indirect impacts could include an increase in the amount of compacted or modified surfaces that, if not controlled, could increase the potential for surface runoff, increased erosion, and sediment

deposition beyond the project's footprint. As described above, RCMs related to fugitive dust (e.g. implementation of South Coast Air Quality Management District [SCAQMD]) Rule 403) and erosion control (e.g., implementation of a Storm Water Pollution Prevention Plan) will be part of the project. As such, no indirect significant effect is anticipated related to vegetation.

Analysis of Special-Status Plant Species: Individual special-status plant species could be damaged or destroyed from crushing or trampling during construction activities; however, no federal or State-listed plant species were identified during the site survey or have been recorded from the project site, and special-status plants are not expected to occur in the project site due to a lack of potentially suitable habitat. Since no special-status plants were observed and the site is not suitable for them, none are expected to occur on-site. As a result, no direct significant effect is anticipated related to special-status plants.

Indirect impacts to special-status plant species occurring outside the project site could result from construction-related habitat loss and modification of sensitive natural communities related to dust, noise, stormwater runoff, and through the potential spread of noxious and invasive plant species into these communities. However, suitable habitat for special-status plants is not present in the urban environment surrounding the project site. As described above, RCMs related to fugitive dust and erosion control would be implemented as part of the proposed project. As a result, no indirect significant effect is anticipated related special-status plants.

Analysis of Sensitive Natural Communities: Implementation of the proposed project would not result in direct or indirect impacts to any sensitive natural communities. As previously presented, no sensitive natural communities occur within the project site and surrounding area. Additionally, sensitive aquatic habitats under regulatory jurisdiction of USACE, CDFW, and RWQCB do not occur in the project site or surrounding area. As a result, no significant effect is anticipated related to sensitive natural communities.

Analysis of Wildlife: Elements of project construction could potentially affect common wildlife. Species with limited mobility or that occupy burrows within the construction zone could be crushed during project activities. While nesting is possible in any of the mature trees, there was no observation or evidence of nesting birds or other species (i.e., bats) in the trees on the site at the time of the survey. Additionally, short-term indirect effects on wildlife would occur when wildlife, primarily urban bird species (discussed further below), avoid the immediate construction area due to noise disturbances, increased human activity, and vibrations caused by heavy equipment. Wildlife mortality is unlikely and not considered significant. As described above, RCMs related to fugitive dust, erosion control, and noise (e.g., properly maintained equipment) would be implemented as part of the proposed project. As a result, no significant effect is anticipated related to wildlife.

Ornamental trees in the project site and surrounding area provide potentially suitable nesting habitat for urban bird species. As a result, birds protected by the MBTA and the CFGC have the potential to nest in and near the project site. RCMs would be implemented as part of the project, such as conducting preconstruction surveys for nesting birds and providing a biological monitor should nesting birds be present during construction. In addition, vegetation removal during the nesting bird season would be avoided with the project. As a result, no direct significant effect is anticipated related to vegetation removal on nesting birds or their associated habitat.

Indirect impacts to nesting birds within the vicinity of the project site could occur during construction as a result of noise, dust, increased human presence, and vibrations resulting from

construction activities. Fugitive dust, erosion control and noise regulatory requirements implemented as part of the project would minimize or eliminate disturbances related to construction activities that could result in increased nestling mortality due to nest abandonment or decreased feeding frequency. As a result, no significant effect is anticipated related to nesting birds.

Analysis of Special-Status Wildlife Species: Individual special-status wildlife species could be directly and indirectly affected during construction in the same manner as described above; however, no federal or State-listed wildlife species have been identified on-site and potentially suitable habitat for such species is absent from the project site and surrounding area. As a result, no significant direct or indirect effects are anticipated related to special-status wildlife.

Analysis of Wildlife Movement Corridor: The project site does not serve as a regional wildlife corridor and as a result, direct and indirect impacts to a regional wildlife movement corridor would not occur. As a result, no significant effect is anticipated related to localized bird movement.

Operations: Impacts to vegetation, special-status plant species, and sensitive natural communities during operations and routine maintenance of the bridge housing project are not anticipated. Only ornamental vegetation would occur on-site upon project completion and special-status plants are not expected to occur in the project site or surrounding area due to a lack of suitable habitat. As a result, no significant effects are anticipated related to vegetation, special-status plants, and sensitive natural communities during operations and routine maintenance of the proposed project.

Impacts to wildlife, special-status wildlife species, and wildlife movement would be limited. Activities would be conducted within previously disturbed and developed surfaces containing only ornamental vegetation, and would generally not change biological conditions from those present prior to and after project construction. As a result, there will be no significant effect related to wildlife, special-status wildlife species, and wildlife movement during operation and maintenance activities of the proposed project.

Avoidance, Minimization, and Regulatory Control Measures

The potential exists for nesting birds protected under the MBTA and CFGC to occur in ornamental trees within the project site and surrounding area. To ensure effects to nesting birds during the bird breeding season (February 15 through September 1) are avoided, the proposed project would include the implementation of RCMs such as conducting pre-construction surveys for nesting birds and providing a biological monitor if nesting birds are present. As a result, no significant effects would occur.

Conclusions

Based on the analysis presented above regarding anticipated effects of the proposed project, significant effects to nesting birds protected under the MBTA and by CFGC would not occur as the proposed project would include applicable RCMs. No other significant effects to biological resources are anticipated.

Prepared by



Arthur Popp
Senior Biologist

Attachment A – Project Site Photos

Attachment B – Special-Status Species and Natural Vegetation Communities Considered

References

California Department of Fish and Wildlife (CDFW)

2018a *California Natural Diversity Database (CNDDB).* Full condensed report for the San Pedro and surrounding three quadrangles, including Torrance, Long Beach, and Redondo Beach. Generated October 24, 2018.

2018b Special Animals. California Natural Diversity Database. August. Available at https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=109406.

California Native Plant Society (CNPS)

2018 Rare Plant Program. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Available at http://www.rareplants.cnps.org. CNPS report for the San Pedro and surrounding three quadrangles, including Torrance, Long Beach, and Redondo Beach. Generated October 24, 2018.

U.S. Fish and Wildlife Service (USFWS)

2018 Information for Planning and Conservation. Available at https://ecos.fws.gov/ipac/. Accessed October 24, 2018.

Attachment A
Project Site Photos



Photo 1. West-facing view from the southeast corner of the project site, with N. Beacon Street in the background and W. O Farrell Street out of view to the right.



Photo 2. North-facing view of landscape island in center of project site.



Photo 3. West-facing view across project site from entrance near intersection of N. Beacon and W. O Farrell Streets.



Photo 4. Northwest-facing view across interior of project site.

ATTACHMENT B

SPECIAL-STATUS PLANT AND WILDLIFE SPECIES AND NATURAL VEGETATION COMMUNITIES CONSIDERED

TABLE A. SPECIAL-STATUS PLANT SPECIES AND NATURAL VEGETATION COMMUNITIES[1]

Common Name *Scientific Name*[2]	Status[3]	General Habitat Description[4]
aphanisma *Aphanisma blitoides*	Federal: None State: None CRPR: 1B.2	Sandy or gravelly soils within coastal bluff scrub, coastal dunes, and coastal scrub. Occurs between 3 – 976 feet. Blooms February – June.
Coulter's saltbush *Atriplex coulteri*	Federal: None State: None CRPR: 1B.2	Alkaline or clay soils within coastal bluff scrub, coastal dunes, coastal scrub, and valley and foothill grasslands. Occurs between 10 – 1,472 feet. Blooms March – October.
south coast saltscale *Atriplex pacifica*	Federal: None State: None CRPR: 1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, and playas. Occurs between 0 – 448 feet. Blooms March – October.
Parish's brittlescale *Atriplex parishii*	Federal: None State: None CRPR: 1B.2	Alkaline chenopod scrub, playas, and vernal pools. Occurs between 80-6,230 feet. Blooms June-October.
Catalina mariposa lily *Calochortus catalinae*	Federal: None State: None CRPR: 4.2	Chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland. Occurs between 50-2,300 feet. Blooms February-June.
Peirson's morning-glory *Calystegia peirsonii*	Federal: None State: None CRPR: 4.2	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest. Often in disturbed areas or along roadsides or in grassy open areas, at 100-4,920 feet. Blooms April to June.
Lewis' evening-primrose *Camissoniopsis lewisii*	Federal: None State: None CRPR: 3	Sandy or clay soils in coastal bluff scrub, Cismontane woodland, coastal dunes, coastal scrub and valley and foothill grasslands. Occurs between 0-985 feet. Blooms March-June.
southern tarplant *Centromadia parryi* ssp. *australis*	Federal: None State: None CRPR: 1B.1	Marshes and swamps (margins), valley and foothill grassland. Often in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with saltgrass. Occurs between 0-1,570 feet. Blooms May–November.
salt marsh bird's beak *Chloropyron maritimum* ssp. *maritimum*	Federal: FE State: SE CRPR: 1B.2	Coastal scrub (sandy), valley and foothill grasslands. Occurs between 500-4,000 feet. Blooms April-July.
seaside cistanthe *Cistanthe maritima*	Federal: None State: None CRPR: 4.2	Sandy soils in coastal bluff scrub, coastal scrub, and valley and foothill grasslands. Occurs between 16 – 960 feet. Blooms February – August.
small-flowered morning-glory *Convolvulus simulans*	Federal: None State: None CRPR: 4.2	Clay and serpentinite seeps within chaparral (openings), costal scrub, and valley and foothill grasslands. Occurs between 96 – 2368 feet. Blooms March – July.
Catalina crossosoma *Crossosoma californicum*	Federal: None State: None CRPR: 1B.2	Rocky soils within chaparral and coastal scrub. Occurs between 0 – 1600 feet. Blooms February – May.
Island green dudleya *Dudleya virens* ssp. *insularis*	Federal: None State: None CRPR: 1B.2	Rocky soils in coastal bluff scrub and coastal scrub. Occurs between 16 – 960 feet. Blooms April – June.
decumbent goldenbush *Isocoma menziesii* var. *decumbens*	Federal: None State: None CRPR: 1B.2	Chaparral and coastal scrub (sandy, often in disturbed areas). Occurs between 32 – 432 feet. Blooms April – November.

Common Name *Scientific Name*[2]	Status[3]	General Habitat Description[4]
Coulter's goldfields *Lasthenia glabrata ssp. Coulteri*	Federal: None State: None CRPR: 1B.1	Coastal salt marshes, playas, and vernal pools. Occurs between 3-4,000 feet. Blooms February-June.
sea dahlia *Leptosyne maritima*	Federal: None State: None CRPR: 2B.2	Coastal bluff scrub and coastal scrub. Occurs between 16 – 480 feet. Blooms March – May.
Santa Catalina Island desert-thorn *Lycium brevipes var. hassei*	Federal: None State: None CRPR: 3.1	Coastal bluff scrub and coastal scrub. Occurs between 208 – 960 feet. Blooms June – August.
California box-thorn *Lycium californicum*	Federal: None State: None CRPR: 4.2	Coastal bluff scrub and coastal scrub. Occurs between 16 – 480 feet. Blooms March, June – August, and occasionally December.
mud nama *Nama stenocarpa*	Federal: None State: None CRPR: 2B.2	Marshes and swamps; lake margins and riverbanks. Occurs between 15-1,640 feet. Blooms January-July.
prostrate vernal pool navarretia *Navarretia prostrata*	Federal: None State: None CRPR: 1B.1	Prefers mesic coastal scrub, meadows and seeps, alkaline valley and foothill grassland, and vernal pools. Occurs between 50-3,970 feet. Blooms April-July.
coast woolly-heads *Nemacaulis denudate* var. *denudata*	Federal: None State: None CRPR: 1B.2	Coastal dunes. Occurs between 0 – 320 feet. Blooms April – September.
California orcutt grass *Orcuttia californica*	Federal: FE State: SE CRPR: 1B.1	Vernal pools. Occurs between 15 – 660 meters (50-2,170 feet). Blooms April - August.
Lyon's pentachaeta *Pentachaeta lyonii*	Federal: FE State: SE CRPR: 1B.1	Prefers rocky and clay laden soils in coastal scrub, valley and foothill grasslands, and the openings within chaparral. Occurs between 96 – 2208 feet. Blooms February – August.
Brand's star phacelia *Phacelia stellaris*	Federal: None State: None CRPR: 1B.1	Coastal dunes and coastal scrub. Occurs between 3–1,320 feet. Blooms March-June.
estuary seablite *Suaeda esteroa*	Federal: None State: None CRPR: 1B.2	Mesic sites in broad-leafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, and riparian woodland. Occurs between 300-2,010 meters (980-6,590 feet). Blooms June-October.
woolly seablite *Suaeda taxifolia*	Federal: None State: None CRPR: 4.2	Coastal bluff scrub, coastal dunes, marshes and swamps (margins of coastal salt). Occurs between 0 – 50 meters (0 – 165 feet).
San Bernardino aster *Symphyotrichum defoliatum*	Federal: None State: None CRPR: 1B.2	Prefers sites near ditches, streams and springs in coastal scrub, cismontane woodland, lower montane coniferous forest, valley and foothill grassland, and in meadows and seeps. Occurs between 6-6,690 feet. Blooms July–November.
Southern Coastal Bluff Scrub	CNDDB	Dominated by low shrubs and prostrate herbaceous species found on steep, exposed bluffs above the ocean and bays.

[1] Special-status plant species and natural vegetation communities known from the CNDDB and CNPS to occur on the San Pedro, Torrance, Long Beach, and Redondo Beach quad maps.

[2] Nomenclature for special-status plant species conforms to CNPS.

[3] Sensitivity Status Codes

Federal	**FT** - Federally Threatened under the Federal Endangered Species Act
	FE - Federally Endangered under the Federal Endangered Species Act
	FC – A Federal Candidate for listing under the Federal Endangered Species Act
State	**ST** - State Threatened under the California Endangered Species Act
	SE - State Endangered under the California Endangered Species Act
CRPR	California Rare Plant Rank (CRPR)
	1A: Plants presumed extinct in California
	1B: Plants rare, threatened, or endangered in California and elsewhere
	2: Plants rare, threatened, or endangered in California, but more common elsewhere
	3: Plants more information is needed for
	4: Plants of limited distribution – a watch list
	0.1: Seriously threatened in California
	0.2: Fairly endangered in California
	0.3: Not very endangered in California
	California Department of Fish and Wildlife (CDFW)
CNDDB	Tracked by CDFW in the CNDDB

[4] General Habitat Descriptions from CNPS.

TABLE B. SPECIAL-STATUS WILDLIFE SPECIES[1]

Common Name *Scientific Name*[2]	Status[3]	General Habitat Description[4]
Invertebrates		
Crotch bumble bee *Bombus crotchii*	Federal: None State: None Other: CNDDB	Occurs at relatively warm and dry sites, including the inner Coast Range of California and the margins of the Mojave Desert.
western tidal-flat tiger *Cicindela gabbii*	Federal: None State: None Other: CNDDB	Salty coastal habitats including salt marshes, tidal flats and beaches. Range from Ventura, California to Baja California. Burrows into sand or soil.
sandy beach tiger beetle *Cicindela hirticollis gravida*	Federal: None State: None Other: CNDDB	Inhabits areas adjacent to non-brackish water along the coast of California from San Francisco bay to northern Mexico. Inhabits clean, dry, light-colored sand in the upper zone. Subterranean larvae prefer moist sand not affected by wave action.
western beach tiger beetle *Cicindela latesignata latesignata*	Federal: None State: None Other: CNDDB	Prefers sandy areas in coastal habitats. Found in Los Angeles, Orange and San Diego counties.
monarch – California overwintering population *Danaus plexippus* pop. 1	Federal: None State: None Other: CNDDB	Winter roosts occur along California coast from Mendocino County, south to Baja California, Mexico. Roosts in wind-protected tree groves (eucalyptus, Monterey pine, cypress) with nectar and water sources nearby.
Palos Verdes blue butterfly *Glaucopsyche lygdamus palosverdesensis*	Federal: None State: None Other: CNDDB	Dependent on two larval hostplants, Santa Barbara milkvetch (Astragalus trichopodus var. lonchus) and deerweed (Acmispon glaber). Found in the Palos Verdes peninsula and seaward side of the Palos Verdes Hills.
Riverside fairy shrimp *Streptocephalus woottoni*	Federal: FE State: None	Lives in vernal pools of at least 30 centimeters in depth, from January through March. Found in Riverside and San Diego counties. Also found in northern Baja California.
mimic tryonia (=California brackishwater snail) *Tryonia imitator*	Federal: None State: None Other: CNDDB	Prefers coarse brackish sediments at the mouths of creeks, streams and rivers of southern California.
Reptiles		
southern California legless lizard Anniella stebbinsi	Federal: None State: None Other: SSC	Coastal sage scrub, chaparral, riparian areas, woodlands, and rocky areas.
coast horned lizard *Phrynosoma blainvillii*	Federal: None State: None Other: SSC	Inhabits coastal sage scrub and chaparral in arid and semiarid climates. Prefers friable, rocky, or shallow sandy soils.
Fish		
Mohave tui chub *Siphateles bicolor mohavensis*	Federal: FE State: SE Other:	Required habitat includes slow-moving or backwater sections of warm to cool (10 to 24°C) streams with mud or sand substrates. Depths of streams are typically greater than 41 centimeters (16 inches).

Common Name *Scientific Name*[2]	Status[3]	General Habitat Description[4]
Birds		
tricolored blackbird *Agelaius tricolor*	Federal: None State: SE (Candidate) Other: SSC	Common but very local. Nests in colonies in extensive reedy marshes and rice fields. Winters and forages in large flocks in marshes and on farmland, often with Red-winged blackbirds.
western snowy plover *Charadrius nivosus nivosus*	Federal: FT State: None Other: SSC	This species breeds above the high tide line on coastal beaches, sand spits, dune-backed beaches, sparsely-vegetated dunes, beaches at creek and river mouths, and salt pans at lagoons and estuaries.
western yellow-billed cuckoo *Coccyzus americanus occidentalis*	Federal: FT State: SE	Breeds in low to moderate elevation native forests lining the rivers and streams of western United States. Prefers cottonwood-willow forests. Migrate to wintering grounds in South America.
California brown pelican *Pelecanus occidentalis californicus*	Federal: Delisted State: Delisted Other: FP	Inhabits salt bays, beaches and oceans. Mostly over shallower waters, especially sheltered bays. May occasionally be found on inland freshwater lakes.
coastal California gnatcatcher *Polioptila californica californica*	Federal: FT State: None Other: SSC	Obligate, permanent resident of coastal sage scrub below 2.500 feet (760 meters) in southern California. Inhabits low, coastal sage scrub in arid washes, on mesas and slopes.
bank swallow *Riparia riparia*	Federal: None State: ST	Colonial nester; nests primarily in riparian and other lowland habitats west of the desert. Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, and ocean to dig nesting hole.
California least tern *Sternula antillarum browni*	Federal: FE State: SE Other: FP	California least tern nests colonially on beaches that are undisturbed, sparsely vegetated, and in coastal flat areas with loose, sandy substrate.
Mammals		
silver-haired bat *Lasionycteris noctivagans*	Federal: None State: None Other: SCC	Common, but erratic in abundance. During spring and fall migrations the silver-haired bat may be found anywhere in California. Primarily a coastal and montane forest dweller feeding over streams, ponds, and open brushy areas. Roosts in hollow trees, beneath exfoliating bark, abandoned woodpecker holes and rarely under rocks. Needs drinking water.
San Diego desert woodrat *Neotoma lepida intermedia*	Federal: None State: None Other: SSC	Coastal scrub of southern California from San Diego County to San Luis Obispo County. Moderate to dense canopies preferred. They are particularly abundant in rock outcrops and rocky cliffs and slopes.
pocketed free-tailed bat *Nyctinomops femorosaccus*	Federal: None State: None Other: SCC, WBWG-M	Roosts primarily in crevices and fractures in steep rocky cliff faces and rocky outcrops, readily found in abandoned quarries.
big free-tailed bat *Nyctinomops macrotis*	Federal: None State: None Other: SCC, WBWG-M	Low-lying arid hilly areas in Southern California to about 6,000 feet. Roosts in crevices and cliffs, buildings, and cavities in trees.

Common Name *Scientific Name*[2]	Status[3]	General Habitat Description[4]
Pacific pocket mouse *Perognathus longimembris pacificus*	Federal: FE State: None Other: SSC	Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin; open ground with fine sandy soils; may not dig extensive burrows, instead may be found hiding under weeds and dead leaves.

[1] Special-status species known from the CNDDB to occur on the San Pedro, Torrance, Long Beach, and Redondo Beach quad maps.

[2] Nomenclature for special-status wildlife conforms to CNDDB.

[3] Sensitivity Status Codes

Federal
FT - Federally Threatened under Federal Endangered Species Act (FESA)
FE - Federally Endangered under FESA

State
ST - State Threatened under California Endangered Species Act (CESA)
SE - State Endangered under CESA
SC – State Candidate for listing under CESA

Other
SSC – Designated as a Species of Special Concern by CDFW
WL – Designated as a Watch List species by CDFW
CNDDB - Tracked by CDFW in the California Natural Diversity Data Base or considered locally sensitive
WBWG-H - Designated by the Western Bat Working Group (WBWG 2017) as High Priority - species that are imperiled or are at high risk of imperilment
WBWG-M - Designated by the WBWG (2017) as Medium Priority – a level of concern that should warrant closer evaluation, more research, and conservation actions of both species and possible threats.

[4] General Habitat Descriptions from CNDDB.

ATTACHMENT C. TRAFFIC INFORMATION

This page intentionally left blank.

FORM GEN. 160A (Rev. 1/82)

CITY OF LOS ANGELES

INTER-DEPARTMENTAL CORRESPONDENCE

515 N Beacon St
DOT Case No. CEN 18-47661

Date: November 8, 2018

To: Heloise Froelich, Environmental Supervisor I
EMG, Bureau of Engineering, Department of Public Works

From: Wes Pringle, Transportation Engineer
Department of Transportation

Subject: **TRANSPORTATION IMPACT ANALYSIS FOR THE PROPOSED COUNCIL DISTRICT (CD) 15 BRIDGE HOUSING PROJECT AT 515 NORTH BEACON STREET**

The Department of Transportation (DOT) has reviewed the technical memorandum prepared by AECOM, dated November 2, 2018, for the proposed Bridge Housing Project at 515 North Beacon Street as shown in the project site plan (**Attachment 1**).

The project will temporarily change the use of the southern portion of a California Department of Transportation (Caltrans) Park and Ride lot to a temporary emergency homeless shelter for no more than three years. The City of Los Angeles would lease the project site from Caltrans. Project construction is expected to commence in December 2018 and be completed in April 2019 and would include a 10,800-square foot tent structure with approximately 102 beds, a hygiene station, a free-standing shade structure, an administration trailer, a covered exterior dining area, a food preparation and serving area, bin storage, an outdoor pet area, bike racks, and open space to serve the local homeless community. The project is estimated to generate a net increase of approximately 130 daily vehicle trips, 14 trips during the a.m. peak hour, and 14 trips in the p.m. peak hour (**Attachment 2**). The trip generation estimate is based on formulas from the LADOT Transportation Impact Study Guidelines, December 2016, Table 5: Trip Generation Rates for Affordable Housing Projects.

DOT concurs with the conclusion of the analysis that the project's trip generation does not meet the peak hour trip threshold to require a transportation impact analysis. Therefore, DOT will not require the preparation of a traffic study for this project.

A construction impact evaluation included in the technical memorandum anticipates a maximum volume of 22 passenger car equivalent trips during the project's construction. DOT concurs that transportation impacts are expected to be less than significant during the project's construction activities. If necessary and prior to the start of construction work, DOT recommends that review and approval of the construction work site traffic control plan be coordinated with DOT's Citywide Temporary Traffic Control Plan Review Section (ladot.cttc@lacity.org or 213-972-8607).

Based on a parking utilization survey conducted on Tuesday October 23, 2018, the technical memorandum determined that of the 164 available parking spaces at 515 North Beacon Street, 34 to 42 stalls were occupied during the a.m. peak hour and 23 to 29 stalls were occupied during the p.m. peak hour. The maximum number of occupied parking stalls was 42 between 8:00 a.m. and 8:30 a.m. The project proposes to maintain 150 parking spaces on-site and is not anticipated to have any significant secondary (parking) impacts.

If you have any questions, please contact Eileen Hunt of my staff at (213) 972-8481.

Attachments
K:\Letters\2018\CEN18-47661_515 Beacon_CD15 temp hsg_ltr.docx

c: Nathan Holmes, CD 15; Bert Moklebust, BOE Development Services; Crystal Killian, Southern District, DOT; Taimour Tanavoli, Case Management, DOT; Vamshi Akkinepally/Noel Casil, AECOM

ATTACHMENT 1
CEN18-47661 515 BEACON ST CD 15



CD-15 Beacon Street
Bridge Housing Project

Figure 1 Project Location Map

AECOM Imagine it. Delivered.

Trip Rates									
Land Use	Source	Unit	Weekday						
			Daily	AM Peak Hour			PM PeaK Hour		
				In	Out	Total	In	Out	Total
Permanent Supportive Housing/Special Needs	LADOT[1]	DU/Beds	1.27	0.05	0.07	0.12	0.07	0.05	0.12

[1] LADOT Transportation Impact Study Guidelines, December 2016

Trip Generation								
Land Use	Quantity (Beds)	Weekday						
		Daily	AM Peak Hour			PM PeaK Hour		
			In	Out	Total	In	Out	Total
Beacon Street Bridge Housing	102	130	6	8	14	8	6	14

AECOM Imagine it. Delivered.

CD-15 Beacon Street Bridge Housing Project

Table 1 Project Trip Generation

ATTACHMENT D. NOISE INFORMATION

This page intentionally left blank.

AECOM
300 S Grand Avenue,
Los Angeles, CA 90071
www.aecom.com

213.593.8100 tel
213.593.8053 fax

Memorandum

To	Ms. Heloise Froelich Environmental Management Group Bureau of Engineering, Department of Public Works Pages 16
Subject	Bridge Housing Project on N. Beacon Street, San Pedro – Noise Technical Memorandum
From	Mark Storm, AECOM
Date	November 2, 2018

Purpose

A noise and vibration study was conducted in November 2018 to evaluate potential noise and vibration impacts of the proposed project. This study will help inform the California Environmental Quality Act (CEQA) analysis required for the proposed use. The purpose of this predictive noise impact assessment is to determine whether temporary noise and vibration emission due to proposed project construction activities, or noise due to operation of proposed project stationary sound sources, would have significant effects on noise-sensitive land uses (NSLU) in the surrounding community.

Project Location

This technical memorandum describes the potential noise and vibration impacts associated with the Bridge Housing Project on N. Beacon Street in San Pedro (proposed project). The proposed project would be located within a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The Caltrans-owned project site is located at 515 North Beacon Street in the San Pedro community within Council District (CD) 15 in the City of Los Angeles. The addresses that comprise the entire project site include 407, 427, and 437 North Beacon Street. The associated Assessor Parcel No. (APN) is 7449-007-900. The parking lot is located just south of the Interstate 110 (I-110)/Harbor Boulevard interchange and the project site is comprised of a total of approximately 49,500 square feet. The project site is currently utilized as a Park and Ride Lot for Caltrans and is occasionally used as a construction equipment and trailer staging area by both Caltrans and Port of Los Angeles.

Project Description

The City of Los Angeles would lease the project site from Caltrans for the proposed project. The proposed project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The proposed project would be a temporary facility (3 years) and would be operated by the City through Los Angeles Homeless Services Authority, or another City vendor. The project site and surrounding area are within a highly urbanized and densely populated area of Los Angeles near the Port of Los Angeles.

The project design shall comply with a construction management plan that includes project design conditions, as necessary, to protect the health, safety, or convenience of affected sensitive receptors, located in the neighborhood that surrounds the project.

The construction management plan and appropriate design conditions have been selected from the *City of Los Angeles, Bureau of Engineering, Master Specifications, Division 01, General Requirements, Section 01562, Part 1.1.C*. Selected design conditions are detailed further under applicable resource area analyses. In addition, unless otherwise stated, the proposed project will be designed, constructed and operated following all applicable laws, regulations, ordinances and formally adopted City standards including but not limited to:

- Los Angeles Municipal Code
- Bureau of Engineering Standard Plans
- Standard Specifications for Public Works Construction
- Work Area Traffic Control Handbook
- Additions and Amendments to the Standard Specifications for Public Works Construction

Noise Characteristics and Effects

Noise, generally defined as unwanted sound, is measured and expressed in decibels (dB) to conveniently discuss quantities across the wide range of human hearing capacity. To better approximate the range of sensitivity of the human ear to sounds of different frequencies, standard "A-weighting" dB adjustments can be applied to measured sound levels that de-emphasize low frequencies and very high frequencies. When such A-weighting is used, the dB levels are noted with a "dBA" descriptor. While a 10 dBA increase in sound level represents a ten-fold increase of sound energy, average healthy human hearing perceives such an order of magnitude increase as a doubling of loudness. Noise levels from point-type sources (e.g., a stationary air-conditioning [AC] unit) attenuate hemi-spherically at a rate of about 6 dB per doubling of distance, while line-type sources (roadway noise) attenuates cylindrically at a rate of about 3 dB per doubling of distance. For purposes of illustration, a stationary AC unit might produce 60 dBA at a distance of 15 feet; therefore, its sound level at a distance of 60 feet would be 48 dBA (i.e., each doubling of distance from this point-type source lowers the sound level by 6 dBA).

The following glossary of acoustical terms and definitions will assist to frame the discussion of proposed project generated noises and their potential effect on the neighboring community.

- Sound – For purposes of this analysis, sound is a physical phenomenon generated by vibrations that result in waves that travel through a medium, such as air, and result in auditory perception by the human brain. The frequency of these vibrations, often referred to as pitch, is expressed in units of cycles per second or Hertz (Hz). Lower-pitch sound is often characterized as a "rumble", while "hiss" tends to describe a higher pitch as perceived by healthy human hearing.

- Amplitude or Level – Is measured in decibels (dB) using a logarithmic scale. A sound level of zero dB is approximately the threshold of human hearing and is barely audible under extremely quiet listening conditions. Normal speech has a sound level of approximately 60 dB. Sound levels above approximately 110 dB begin to be felt inside the human ear as discomfort and eventually pain at 120 dB and higher levels. The minimum change in the sound level of individual events that an average human ear can detect is about 1 to 2 dB. A 3 to 5 dB change is readily perceived. A change in sound level of about 10 dB is usually perceived by the average person as a doubling (or if decreasing by 10 dB, halving) of the sound's loudness.

- Sound pressure – Sound level is usually expressed by reference to a known standard. This report refers to sound pressure level (SPL), which is expressed on a logarithmic scale with respect to a reference value of 20 micropascals (μPa). SPL depends not only on the power of the source, but also on the distance from the source and on the acoustical characteristics of the space surrounding the source.

- Equivalent sound level – Environmental noise levels vary continuously and include a mixture of noise from near and distant sources. A single descriptor, L_{eq}, may be used to describe such sound that is changing in level from one moment to another. L_{eq} is the energy-average sound level during a measured time interval. It is the "equivalent" constant sound level that would have to be produced by a single, steady source to equal the acoustic energy contained in the fluctuating sound level measured.

- Statistical sound level – A sound level exceeded for a cumulative "n" percentage of a measurement or studied time period, such as L_{10}, L_{50} or L_{90}. The L_{50} value is often referred to as the "median" sound level, while L_{90} is commonly called the "background" level as it typically represents acoustical contribution from continuous or "steady-state" sound sources and the perceived indistinct din of background noise due to the amalgamation of many contributing distant sound sources in the environment.

- Community Noise Equivalent Level (CNEL) – CNEL is an average sound level during a 24-hour period, but reflects heightened human sensitivity to evening and nighttime hours as follows: 5 dBA added to hourly sound levels in the evening from 7:00 p.m. to 10:00 p.m.; and, 10 dBA added to hourly sound levels at night from 10:00 p.m. to 7:00 a.m. Because CNEL accounts for human sensitivity to sound in this manner, the CNEL 24-hour value is always higher than an energy-averaged 24-hour Leq for the same time period.

- Day-night sound level (L_{dn}) – This value is similar to CNEL, except that only a 10 dBA penalty is added to hourly L_{eq} values from 10:00 p.m. to 7:00 a.m.; i.e., it omits the 5 dBA penalty for 7:00 p.m. to 10:00 p.m. that exists for the CNEL value calculation.

Vibration Characteristics and Effects

Vibration is an oscillatory motion through a solid medium in which amplitude can be described in terms of displacement, velocity, or acceleration. The average vibration amplitude (the root mean square [RMS] velocity) is the most appropriate descriptor for gauging human response to typical ground vibration. As with airborne sound, the RMS vibration velocity level is often expressed in dB notation as vibration dB (VdB), which serves to compress the range of numbers required to describe vibration. This VdB scale is based on a reference value of 1 micro-inch per second. According to Federal Transit Administration (FTA) guidance, the background vibration velocity level typical of residential areas is approximately 50 VdB (FTA 2006). Groundborne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels (FTA 2006).

Environmental Setting

The project site is located in the San Pedro community of the City of Los Angeles, California that correspondingly has an existing outdoor sound environment characterized by a combination of sources including near and distant roadway traffic; aircraft overflights; operating heating, ventilation, and air conditioning (HVAC) systems; speech; and an amalgam of other audible but indistinct sources. Land uses that surround the project site include commercial and multi-family residential properties, the latter of which would be considered NSLU and hence the focus of this environmental effect assessment.

Existing Outdoor Sound Environment

At the request of the City of Los Angeles, a field survey of baseline outdoor ambient SPL was performed in the proposed project vicinity over a consecutive two-day period of October 17th and 18th, 2018. The survey included deployment of up to two "long-term" (LT) unattended American National Standards Institute (ANSI) Type 1 SPL monitors (Larson-Davis Model 820), which between calibration status checks are expected to operate continuously for at least twenty-four (24) sequential hours. The aim of these deployed unattended LT monitors is to continuously measure outdoor ambient sound during the field survey period, which should include sound from nearby roadway traffic on local streets and stationary sources (e.g., operating HVAC systems). As shown in plots of SPL with elapsed time in Attachment 1, data from one of the LT monitors helps inform how the outdoor ambient sound environment changes throughout a sample diurnal cycle.

Additionally, "short-term" (ST) SPL measurements of approximately 15 to 20 minutes in duration were attended by the AECOM field investigator. With the AECOM investigator present, witnessed and/or perceived sound sources of the outdoor ambient environment can be observed, documented, and correlated with the collected SPL data. Attachment 2 provides a table of photographs that document the locations of the LT monitor and sample ST positions. These field survey locations appear superimposed on an aerial image of the proposed project vicinity in Figure 1. Table 1 presents a summary of the collected ST measurement data, listed by survey location.



Source: Google Earth (2018)

Figure 1. Field survey long-term (LT, yellow callout) and short-term (ST, green callout) sound pressure level (SPL) measurement locations (project site within blue dashes).

Table 1. Summary of Surveyed Short-term (ST) and Long-term (LT) Sound Pressure Level (SPL) Data

Survey Location Tag	Address or Location Description (distance to nearest roadway curb)	Measurement Date (mm:dd:yy) and Duration: Start and End (hh:mm)	L_{eq} (dBA) [A]	L_{90} (dBA) [A]	Survey Notes (e.g., Observed Sound Sources)
LT-2	within fenced staging area on Project site	10/17/18; 10:45 10/18/18; 10:45	49 to 69 (L_{day} = 58) [B]	45 to 59	Roadway traffic, construction work
ST-1	N. Palos Verdes (cul-de-sac)	10/17/18 12:37 – 12:52	61.4	n/a	Roadway traffic
ST-2	N. Beacon St. (near Park-n'-Ride gate)	10/17/18 12:57 – 13:12	63.5	n/a	Roadway traffic, construction work
ST-3	northwest corner of O'Farrell and N. Beacon St.	10/17/18 13:18 – 13:33	55.3	n/a	Roadway traffic
ST-3	northwest corner of O'Farrell and N. Beacon St.	10/18/18 06:10 – 06:30	57.7	n/a	Roadway traffic
ST-4	O'Farrell Street, near	10/17/18	52.4	n/a	Roadway traffic

Survey Location Tag	Address or Location Description (distance to nearest roadway curb)	Measurement Date (mm:dd:yy) and Duration: Start and End (hh:mm)	L_{eq} (dBA) [A]	L_{90} (dBA) [A]	Survey Notes (e.g., Observed Sound Sources)
	retaining wall	13:34 – 13:49			
ST-4	O'Farrell Street, near retaining wall	10/18/18 10:31 – 10:51	57.1	n/a	Roadway traffic
ST-5	Park-n'-Ride Lot on N. Beacon St. (near retaining wall)	10/17/18 16:28 – 16:34	64.4	n/a	Roadway traffic, construction work
ST-5	Park-n'-Ride Lot on N. Beacon St. (near retaining wall)	10/18/18 09:10 – 09:30	60.1	n/a	Roadway traffic, construction work

Source: AECOM 2018

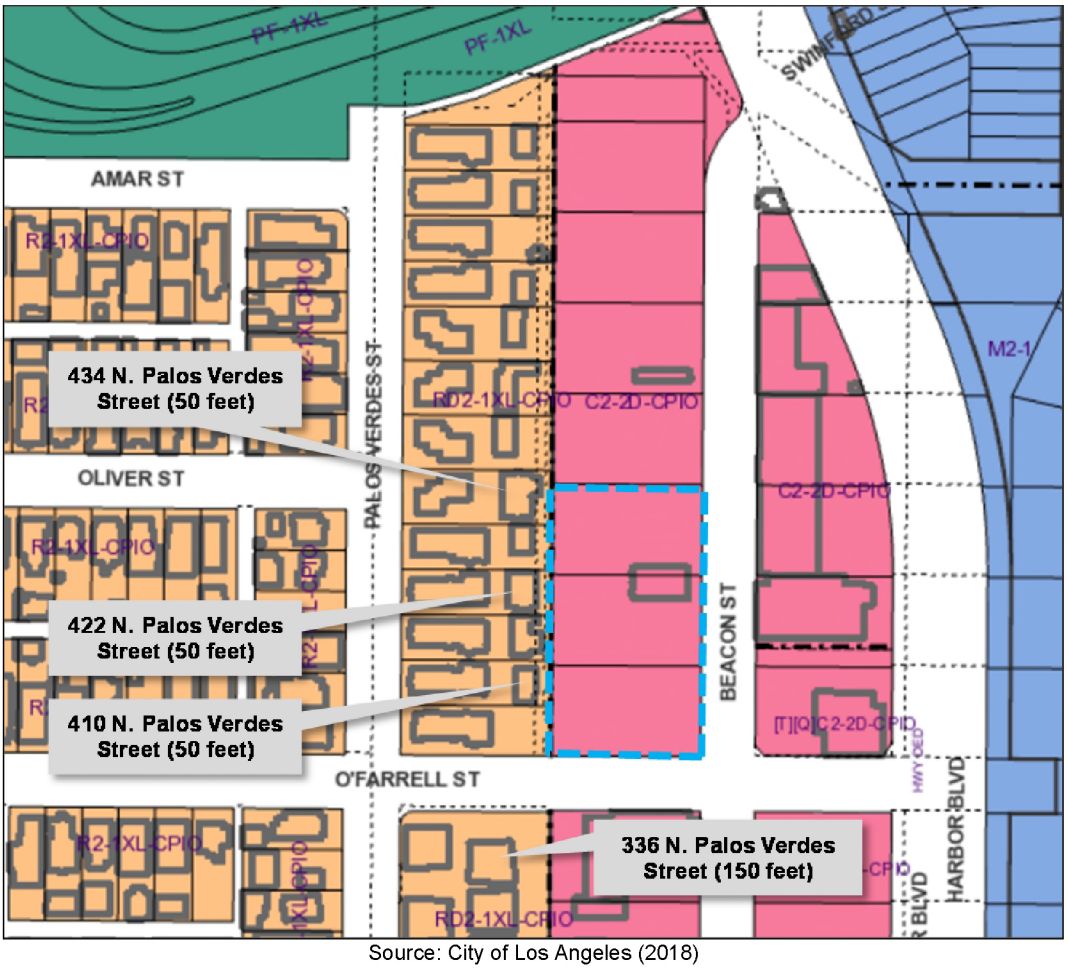
Notes:

[A] for LT-2, these are the lowest and highest values from among the measured sequential five-minute intervals.

[B] L_{day} = energy-averaged L_{eq} for twelve monitored daytime hours (7am to 7pm).

Nearest Sensitive Receptors

The nearest residential NSLU are apparent residences located immediately adjacent to the western side of the steep slope and retaining wall that borders the western boundary of the project site. Three sample dwellings to represent this community that is zoned "RD2-1XL CPIO" and shown in Figure 2 are 410, 422, and 434 North Palos Verdes Street. Accounting for both horizontal distance and the change in elevation, these three NSLU are estimated to be 50 feet from the project site boundary. A fourth representative NSLU, understood to be 336 North Palos Verdes Street on a parcel that is also zoned "RD2-1XL CPIO" and contains several dwellings, is located approximately 150 feet southwest of the project site on the south side of North Palos Verdes Street. While apparent office buildings are located on the eastern side of North Beacon Street opposite the project site, they are not considered NSLU and are on property zoned as "C2-D2 CPIO" as shown on Figure 2.



Source: City of Los Angeles (2018)

Figure 2. Nearest identified noise-sensitive land uses (NSLU, light gray callouts) and their approximate nearest distances to the project site boundary (light blue dashes).

Regulatory Setting

Noise

Federal Standards

The Federal Noise Control Act of 1972 (Public Law 92 574) established a requirement that all federal agencies administer their programs to promote an environment free of noise that would jeopardize public health or welfare. The Unites States Environmental Protection Agency (US EPA) was given the responsibility for:

> Providing information to the public regarding identifiable effects of noise on public health and welfare, Publishing information on the levels of environmental noise that will protect the public health and welfare with an adequate margin of safety, Coordinating federal research and activities related to noise control, and Establishing federal noise emission standards for selected products distributed in interstate commerce.

As part of its responsibility, US EPA published “Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety” in 1974 (US EPA 1974).

State Regulations

California requires each local government entity to perform noise studies and implement a noise element as part of its general plan. State land use guidelines for evaluating the compatibility of various land uses as a function of community noise exposure are presented below under Local Regulations and Standards.

Local Regulations and Standards

The proposed project is within the jurisdiction of the City of Los Angeles. The City of Los Angeles has established policies and regulations concerning the generation and control of noise that could adversely affect its citizens and noise-sensitive land uses.

Building Codes

As described previously, it is understood that the proposed project will comply with all applicable building codes and regulations.

City of Los Angeles Noise Ordinances

The City of Los Angeles Municipal Code (LAMC), Chapter IV, Article 1, Section 41.40; and Chapter XI, Article 2, Section 112.03 (that references Section 41.40) addresses noise generated at construction sites, including permissible hours of construction. In addition, operational noise from both stationary and mobile sources is evaluated for impacts using the L.A. CEQA Thresholds Guide (2006). A project would normally be considered to have a significant construction noise effect on the surrounding community if any one of the following were satisfied:

- Construction activities lasting more than one day would cause existing ambient exterior noise levels to increase by 10 dBA or more; or,

- Construction activities lasting more than 10 days in a three-month period would cause existing ambient exterior noise levels to increase by 5 dBA or more at a noise-sensitive land use; or,

- Any construction activity that would exceed existing ambient exterior noise levels by 5 dBA or more at a noise-sensitive land use between the hours of 9:00 p.m. and 7:00 a.m. Monday through Friday, before 8:00 a.m. or after 6:00 p.m. on Saturday, or at any time on Sunday.

Construction of the proposed project would take place within daytime hours (7:00 a.m. to 4:00 p.m.) and thus be both within the permissible time period per LAMC 41.40 and not coincide with the above third bulleted condition for significance per the City's CEQA Thresholds guidance. Because the aggregate of sequential construction activities for the proposed project is expected to last *more* than 10 days in a three-month period, as an approximately five-month construction period is anticipated, the second of the first two bulleted conditions above with respect to construction activity duration would be satisfied; hence, a significant impact would occur if project construction noise levels exceed existing ambient exterior noise levels by 5 dBA or more at the nearest existing noise-sensitive community receptors.

Additionally, per LAMC 112.05, no single piece of powered equipment can produce noise greater than 75 dBA at a distance of 50 feet when such work occurs between the hours of 7:00 a.m. to 10:00 p.m. on any residential zone or within 500 feet of such a zone.

With respect to operating stationary sound sources like HVAC systems, LAMC Section 112.02 requires that any HVAC equipment not cause an increase in ambient noise levels on any other occupied property to exceed the ambient noise level by more than 5 dBA.

Based on the presumed ambient noise levels appearing in Table II of LAMC Section 111.03, compliance with LAMC Section 112.02 suggests that the combined operational noise levels from all on-site project noise sources should not exceed a 1-hour L_{eq} of 53 dBA at NSLUs during the daytime hours (7:00 a.m. to 10:00 p.m.) and 43 dBA at residences at night (10:00 p.m. to 7:00 a.m). If the actual outdoor ambient noise level is greater than the presumed ambient levels per LAMC Section 111.03 Table II, based on measured sound levels or supportable

estimates, then these prescribed limits for daytime and nighttime would correspondingly rise by the same dB quantity.

City of Los Angeles Noise General Plan Noise Element

The Noise Element of the City's General Plan (GP) includes policy P13, which states: "Continue to plan, design and construct or oversee construction of public projects, and projects on City owned properties, so as to minimize potential noise impacts on noise sensitive uses and to maintain or reduce existing ambient noise levels."

Vibration

There are no adopted City standards for groundborne vibration. In the absence of such local regulations, the FTA provides guidance on appropriate vibration limits with respect to sensitive receptors. According to the FTA, vibration impacts associated with human annoyance would be significant if vibration caused by construction activity assessed at a receptor exceeded 85 VdB, a vibration velocity (L_v) level that is considered acceptable only for an infrequent number of events per day (FTA 2006).

Thresholds

As previously discussed, according to the L.A. CEQA Thresholds Guide (2006), a project would normally have a significant effect to construction noise if:

- Construction activities lasting more than one day would exceed existing ambient exterior noise levels by 10 dBA or more at a noise sensitive use;
- Construction activities lasting more than 10 days in a three-month period would exceed existing ambient exterior noise levels by 5 dBA or more at a noise-sensitive use; or
- Construction activities would exceed the ambient noise level by 5 dBA at a noise sensitive use between the hours of 9:00 p.m. and 7:00 a.m. Monday through Friday, before 8:00 a.m. or after 6:00 p.m. on Saturday, or at any time on Sunday.

The proposed project will have construction activities lasting longer than 10 days in a three-month period. Therefore, the second bulleted threshold above applies to the proposed project. Because construction activities and deliveries will be restricted to 7:00 a.m. to 5 p.m., the third bulleted threshold does not apply.

According to the L.A. CEQA Thresholds Guide (2006), a project would normally have a significant operational noise impact if the project causes:

- The ambient noise level measured at the property line of affected uses to increase by 3 dBA in CNEL to or within the "normally unacceptable" or "clearly unacceptable" category, or any 5 dBA or greater noise increase.

Additionally, the City Noise Ordinance Section 112.02 states that operational noise (e.g., HVAC equipment, etc.) shall not cause the noise level on the premises of any occupied property other than the site to exceed the ambient noise level by 5 dBA or more. This threshold is more conservative than the CEQA Threshold Guide of 5 dBA at an affected use in that the noise increase is measured at the nearest occupied property rather than the nearest sensitive land use (i.e., NSLU or affected use). A NSLU may be farther away than the next occupied property. Therefore, LAMC Section 112.02 is being used for an operational threshold in this screening assessment. The LAMC Section 112.04 also restricts excess mechanical noise between the hours of 10:00 p.m. and. 7:00 a.m. of the following day in residential zones and within 500 feet of a residential zone. Excess noise during this period is defined as loud, raucous or impulsive sound. The qualitative threshold is also being used for nighttime operational noise.

Methodology

Construction Noise

Construction noise from the proposed project has been predicted with a technique based on the FTA "general assessment" method that focuses on the two loudest anticipated equipment and/or vehicles on site per phase. Consistent with data provided in Table 1 of the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) User's Guide (FHWA 2006), the predictive analysis for this study also applies the "acoustical usage factor" (AUF) in order to calculate an equivalent sound level (L_{eq}) for a typical hour during which the construction equipment is expected to generate noise. Other included analysis factors are as follows:

- On average, equipment noise emanates from a single point at the geographic center of the project site, representing the mobility of construction activities and equipment locations across the entire project area as work proceeds;
- Point-source sound propagation, and the source emission point is six feet above grade;
- Acoustical ground absorption offers up to 4.8 dBA of additional source-to-receiver sound path attenuation, depending on path length, per International Organization of Standardization (ISO) 9613-2 (ISO 1996);
- First-floor receivers are 5 feet above grade, second-floor receivers are 14 feet above grade, and third-floor receivers are 23 feet above grade;
- Pre-existing structures, walls, or other barriers, where applicable, that linearly occlude the source-to-receiver sound path yield an additional minimum 5 dBA of noise reduction (comparable to "shielding" per FTA guidance);
- Predicted noise reduction performance of temporary noise barriers is quantified at 500 Hz, consistent with industry guidance (Edison Electric Institute 1984); and,
- Due to the relatively short source-to-receptor distances studied, the effect of acoustical air absorption is conservatively not included.

Operations Noise

Operations noise from the proposed project is expected to be primarily due to the addition of new stationary HVAC equipment, expected to be located on the eastern side of the proposed project area. In such a heavily trafficked urban area of Los Angeles, the expected change to the outdoor sound environment based on altered roadway traffic flows attributed to operation of the proposed project is likely to be negligible.

Similar to the prediction of construction noise as described in the preceding paragraphs, this analysis considers the aggregate of HVAC noise emanating from a single point-source at approximately pedestrian height (about 5 feet). The effects of air and ground acoustical absorption are conservatively excluded from the point-source sound propagation algorithm.

Construction Vibration

Anticipated ground vibration due to operation of construction equipment and vehicles on the proposed project site has been predicted with a technique based on the FTA "general assessment" method and available data for construction activities.

Impact Analysis

Construction Noise

Using the FTA-based method of studying the two loudest pieces of onsite construction equipment, Table 2 presents predicted reference construction noise levels at a distance of 50 feet per construction phase.

Table 2. Estimated Construction Noise Reference Levels

Construction Phase	Expected Equipment/Vehicle[1]	L_{max} at 50 feet (dBA)[2]	FHWA RCNM Acoustical Usage Factor (AUF)[2]	Anticipated Equipment Usage Hours per Day[1]	Estimated Equivalent Sound Level at 50 feet (L_{eq}, dBA)
Demolition	Backhoe	78	40%	8	74
	Generator	81	50%	4	78
				Loudest hour:	79
				9-hour Workshift:	77
Grading	Roller	80	20%	8	73
	Skidsteer	80	40%	8	76
				Loudest hour:	78
				9-hour Workshift:	77
Trenching	Backhoe	78	40%	8	74
	Generator	81	50%	4	78
				Loudest hour:	79
				9-hour Workshift:	77
Building Construction	Crane[3]	81	16%	9	73
	Flatbed truck[3]	74	40%	9	70
				Loudest hour:	75
				9-hour Workshift:	75
Finishes	Flatbed truck[3]	74	40%	9	70
	Flatbed truck[3]	74	40%	9	70
				Loudest hour:	73
				9-hour Workshift:	73
Re-paving	Paver	77	50%	8	74
	Flatbed truck[3]	74	40%	9	70
				Loudest hour:	75
				9-hour Workshift:	75

Notes:

[1] From client-provided project information received by AECOM.

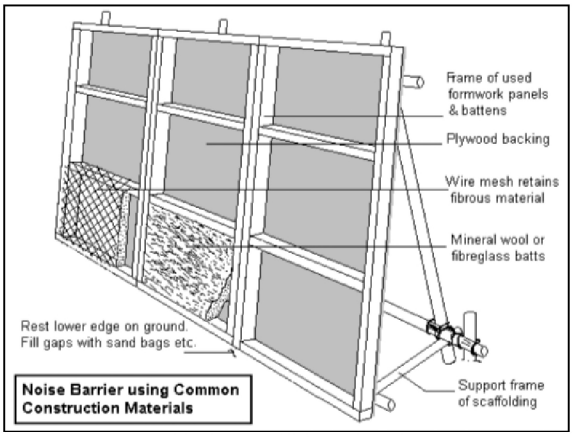
[2] From Table 1 of Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) User's Guide (FHWA 2006).

[3] Not on client-provided project information, assumed onsite by AECOM.

Using the provided project description, which includes the use of noise control measures as needed to protect the health, safety, or convenience of affected sensitive receptors, such as temporary onsite sound barriers to control equipment noise levels, two representative examples of sound barriers appear in Figure 3.



Vinyl-covered insulation blankets suspended from field-erected framing system
Source: AECOM



Plywood-based field-erected noise barrier
Source: Eaton 2000.

Figure 3. Samples of Temporary Construction Sound Barriers

Per the project design, implemented sound barriers would need to be installed properly (i.e., no air gaps) and block line-of-sight between the noise-producing construction activity and these NSLU, so that resultant construction noise levels at the NSLU would be compliant with appropriate aforementioned City CEQA Thresholds and LAMC regulations (i.e., LAMC 112.05, for any residential zone or within 500 feet thereof). These standard conditions of approval would be part of the proposed project construction, which include those listed as follows:

- Locate stationary construction equipment (e.g., generators or air compressors) as far as possible from the nearest NSLU;
- To the extent practical, locate and orient construction equipment and/or material storage trailers so that they occlude direct sound paths between onsite noise construction activities and nearby NSLU positions;
- Install temporary sound walls or comparable barriers along the property boundary to occlude direct sound paths between construction activities and the nearby NSLU in the surrounding community;
- Ensure that fuel-burning powered equipment and vehicles have installed and properly functioning factory-approved air intake filtration, engine housings, sound-attenuated heat radiators, and combustion exhaust mufflers so that emitted noise levels (e.g., L_{max} at 50 feet) are consistent with LAMC 112.05 expectations;
- Prohibit construction activity (including deliveries, equipment maintenance, or operation of any construction equipment) at the proposed project site before 7:00 a.m. or after 9:00 p.m. Monday through Friday, before 8:00 a.m. or after 6:00 p.m. on any Saturday or national holiday, or at any time on Sunday;
- Use low-noise construction equipment;
- Ensure that all mobile and stationary noise-producing construction equipment used on the proposed project site that is regulated for noise output by a local, state, or federal agency complies with such regulation while in the course of project activity;
- Schedule high noise-producing activities during periods of time that are least sensitive;
- Switch off construction equipment when not in use;
- Restrict usage of noise-producing signals (including horns, whistles, alarms, and bells) to safety warning purposes; and,
- Reduce construction vehicle speeds.

These other design measures are also included in the project description to help further control construction vibration, as needed:

- Operate heavy construction equipment at least 6 feet from nearby commercial buildings, wherever possible. Where a 6-foot buffer cannot be maintained, other methods will be used, such as smaller pieces of equipment or hand tools; and

- As considered appropriate by the proposed project's structural engineer, monitor vibration levels during construction with measurements, observations, or other tests to check for presence of vibration-related damage to concerned neighboring structures.

Using the 9-hour workshift estimated L_{eq} values from Table 2 and design measures required by City standard conditions that include noise control barriers, predicted construction noise levels at the indicated floor elevations of the four nearest representative NSLU are presented in Table 3. As shown in Table 3, none of the predicted values in Table 3 exceed the indicated baseline daytime outdoor ambient sound level by more than 5 dBA. As a result, no significant effects are anticipated related to construction noise.

Table 3. Estimated Construction Noise Levels at Noise-Sensitive Land Uses by Construction Phase – with Standard Conditions of Approval (including temporary noise barriers)

Noise-Sensitive Land Use	Baseline Daytime Outdoor Ambient* (L_{eq}, dBA)	Estimated 9-hour Workshift L_{eq} (dBA) per Construction Phase					
		Demolition (3 days)	Grading (14 days)	Trenching (15 days)	Building Erection (4 months)	Finishes (TBD)	Re-paving (7 days)
410 N. Palos Verdes St. (first floor) [A]	55	54.7	54.9	54.7	52.4	50.7	52.7
422 N. Palos Verdes St. (first floor) [A]	55	55.7	56.0	55.7	53.5	51.7	53.8
434 N. Palos Verdes St. (first floor) [A]	55	54.7	54.9	54.7	52.4	50.7	52.7
434 N. Palos Verdes St. (second floor) [A]	55	59.1	59.3	59.1	56.8	55.1	57.1
336 N. Palos Verdes St. (first floor)	55	57.5	57.8	57.5	55.3	53.6	55.6
336 N. Palos Verdes St. (second floor)	55	57.4	57.6	57.4	55.2	53.4	55.5

Notes: dBA = A-weighted decibel; TBD = to be determined.

* based on arithmetic average of ST-4 measured sound pressure levels as shown in Table 1.

[A] includes effect of 32-foot tall noise barrier installed along the western project perimeter. The top height of the barrier (32 feet) and the expected source height (6 feet) are both with respect to the grade level (0 feet) of the proposed project site. The first floor and second floor NSLU elevations are 35 feet and 44 feet with relative to project grade, respectively.

Operations Noise

According to the City's site feasibility plans, a screenshot of which appears in Figure 4, two apparent packaged air handling units (AHUs) are proposed to be located near the eastern perimeter of the proposed project site. These AHUs are anticipated to serve the project, including the 10,800-square-foot tent structure within which up to 102 persons may sleep. Using American Society of Heating, Refrigerating, and Air-conditioning Engineers (ASHRAE) guidance for estimating minimum needed ventilation for the sleeping area, this analysis assumes the following for each of the two AHUs:

- 360 cubic feet per minute (CFM) of outside air* intake as a ten percent (10%) fraction of total unit CFM capacity, with a four-inch water gauge plenum fan (62 dBA L_{eq} SPL at one meter); and

- Up to a 3-ton (refrigeration) packaged air-cooled compressor units (with composite condenser fan[s]) exhibits 75 dBA L_{eq} SPL at one meter, similar to a Trane "Precedent" model (Trane 2004).

  *based on 3,600 occupied square feet for "dormitory sleeping rooms", per ASHRAE Standard 62.1-2012 Ventilation for Acceptable Indoor Air Quality (Loren Cook 2015)

Conservatively, this analysis assumes the following:

- Any potential building "shielding" noise reduction (i.e., the presence of intervening structures along the direct sound path between sources and the NSLU of interest) will likely be negated by acoustical reflection from other nearby building façades.

- The AHU features typical interior cabinet lining to help attenuate the fan noise generation within by 10 dBA.

- Project design includes erection of a partial enclosure or four-sided solid barrier for each packaged AHU, so that the direct sound path is visually and acoustically occluded between the AHU and any surrounding NSLU. Separate from the above-stated AHU noise control design feature, this sound path occlusion rendered by the partial enclosure or barrier must be designed and implemented so as to realize a minimum 10 dBA noise reduction.

Additionally, the City has required implementation of the following standard conditions of approval in the project design:

- Select mechanical equipment designed to produce low noise levels; and,

- All noise control methods will be included in the final architectural and engineering designs and specifications for proposed project construction.



Source: City of Los Angeles (2018)

Figure 4. Proposed location of project packaged air handling units (AHU, within purple dashes)

Given these analysis assumptions and estimated operating HVAC equipment levels, the predicted noise at the four representative nearest NSLU are presented in Table 4 and would be compliant with LAMC 112.02.

Table 4. Estimated HVAC Operation Noise Levels at Noise-sensitive Land Uses

Noise-Sensitive Land Use	Baseline Nighttime Outdoor Ambient (L_{eq}, dBA)*	Distance to HVAC Equipment (feet)	Estimated HVAC Noise Level at NSLU	Compliant with LAMC 112.02 (increase in outdoor ambient < 5 dBA)?
410 N. Palos Verdes St. (first floor)	49	120	37	yes
422 N. Palos Verdes St. (first floor)	49	120	37	yes
434 N. Palos Verdes St. (first floor)	49	120	37	yes
434 N. Palos Verdes St. (second floor)	49	125	37	yes
336 N. Palos Verdes St. (first floor)	49	200	20	yes
336 N. Palos Verdes St. (second floor)	49	205	20	yes

Notes:

L_{eq} = energy-equivalent sound level; dBA = A-weighted decibel; LAMC = Los Angeles Municipal Code

* based on lowest measured L_{eq} value at LT-2 monitoring position per Table 1.

While there are other stationary sources of noise associated with the proposed project, they are addressed as follows and not expected to cause significant effects to the surrounding environment:

- Commercial-type laundry machines (washers and dryers) would be installed within modular buildings or trailers; hence, inherent sound insulation from the modular building or trailer shell would be expected to reduce noise emission to acceptable levels. Noise from dryer vent discharge ports would be sufficiently distant from the aforementioned NSLU so as to result in non-impactful acoustical contributions to the outdoor sound environment.

- Onsite showers, toilets, and other facilities (and their sources of noise) would be similarly housed within the onsite modular buildings or trailers.

- The project electrical transformer is at least 200 feet from any NSLU, which should be sufficient distance for its sound emission to not be impactful (assuming a transformer SPL of no more than 68 dBA, which should be consistent with National Electric Manufacturers Association [NEMA] TR-1 ratings for the expected equipment serving the proposed project).

As a result of the above analysis, no significant operational noise effects are anticipated.

Construction Vibration

Among the construction equipment and vehicles shown in Table 2, during grading activities the roller would be expected to produce the largest magnitude of vibration. FTA guidance indicates that such equipment produces a reference vibration velocity level of 94 VdB at a distance of 25 feet. Assuming this operating vibratory roller is no closer than 50 feet to the residential NSLU on North Palos Verdes Street, which is expected due to the steep earthen slope and retaining wall between the proposed project and the nearest NSLU, the estimated vibration velocity level would be less than the aforementioned 85 VdB threshold for annoyance. Nearby existing commercial buildings along North Beacon Street opposite the proposed project are sufficiently distant—due to street width—to avoid risk of building façade damage associated with ground-borne vibration due to onsite construction equipment operation. No significant construction vibration effects are anticipated.

Conclusions

Construction Noise

Since estimated construction noise levels at the four studied nearest NSLU are not expected to exceed LAMC limits (112.03 and 112.05 with respect to residential zones) and applicable City CEQA significance thresholds, further construction noise reduction measures are not required. No significant construction noise effects are anticipated.

Because the proposed project is known to have other nearby development projects in the vicinity, there exists a possibility for concurrent construction activity to occur, which could give rise to potential construction noise effects to these four NSLU. Attachment 3 contains a cumulative discussion that addresses cumulative construction noise at the NSLU for a variety of potential concurrent construction project scenarios.

Operations Noise

As analyzed, the proposed project stationary sources are not expected to produce noise levels that would cause significant increases to the outdoor ambient sound environment at the four studied nearest representative NSLU; thus, no further noise reduction measures are required. No significant operational noise effects are anticipated.

Construction Vibration

Per the project design and as analyzed, vibration velocity levels from the most vibratory of onsite operating equipment associated with construction of the proposed project are not expected to result in significant annoyance at the nearest studied residential NSLU; therefore, no further vibration reduction measures would be necessary to comply with FTA-based guidance. No significant construction vibration effects are anticipated.

In summary, construction and post-construction operation of the proposed project would be compliant with applicable City of Los Angeles requirements, relevant building code provisions, and FTA guidance with respect to environmental noise and vibration effects on the surrounding community.

Prepared by



Mark Storm, INCE Bd. Cert.
Principal Noise Control Engineer
Acoustics & Noise Control Practice

Attachment 1 – 24-hour Plots of Collected Sound Pressure Level (SPL) Data
Attachment 2 – Photographs of Sample Sound Pressure Level (SPL) Survey Locations
Attachment 3 – Cumulative Noise Discussion for Concurrent Construction Projects

References

Agencies Contacted

City of Los Angeles, 2018, online ZIMAS tool, http://zimas.lacity.org/.

Documents Reviewed

City of Los Angeles, 2006, L.A. CEQA Thresholds Guide - Your Resource for Preparing CEQA Analyses in Los Angeles, www.environmentla.org/programs/Thresholds/Complete%20Threshold%20Guide%202006.pdf.

Eaton, Stuart, 2000, Construction Noise, Workers' Compensation Board of BC, Engineering Section Report, ARCS Reference No: 0135-20, February, https://constructioninformer.com/wp-content/uploads/2008/07/constructionnoise.pdf.

Edison Electric Institute (EEI), 1984, Electric Power Plant Environmental Noise Guide, 2nd edition, Volume I, prepared by Bolt Beranek and Newman, Inc. (Report No. 3637).

International Organization of Standardization, 1996, Acoustics -- Attenuation of sound during propagation outdoors -- Part 2: General method of calculation, www.iso.org/standard/20649.html.

Loren Cook Corporation, 2015, Engineering Cookbook – A Handbook for the Mechanical Designer, www.lorencook.com/PDFs/Catalogs/Cookbook_Catalog.pdf.

State of California, Department of General Services, California Building Standards Commission, 2017, The 2016 California Building Standards Code (Cal. Code Regs., Title 24), Part 2, Volume 1, 1207.4, www.bsc.ca.gov/Codes.aspx.

Trane Corporation, 2004, Packaged Gas/Electric Rooftop Units – Precedent 3-10 Tons – 60 Hz, RT-PRC006-EN, October, www.trane.com/download/equipmentpdfs/rtprc006en_r6.pdf.

U.S. Department of Transportation, Federal Highway Administration (FHWA), 2006, FHWA Roadway Construction Noise Model User's Guide, FHWA-HEP-05-054, Final Report, January, www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/rcnm.pdf.

U.S. Department of Transportation, Federal Transit Administration (FTA), 2006, Transit Nosie and Vibration Impact Assessment, FTA-VA-90-1003-06, May, www.transit.dot.gov/regulations-and-guidance/environmental-programs/fta-noise-and-vibration-impact-assessment.

Attachment 1
24-hour Plots of Collected Sound Pressure Level (SPL) Data

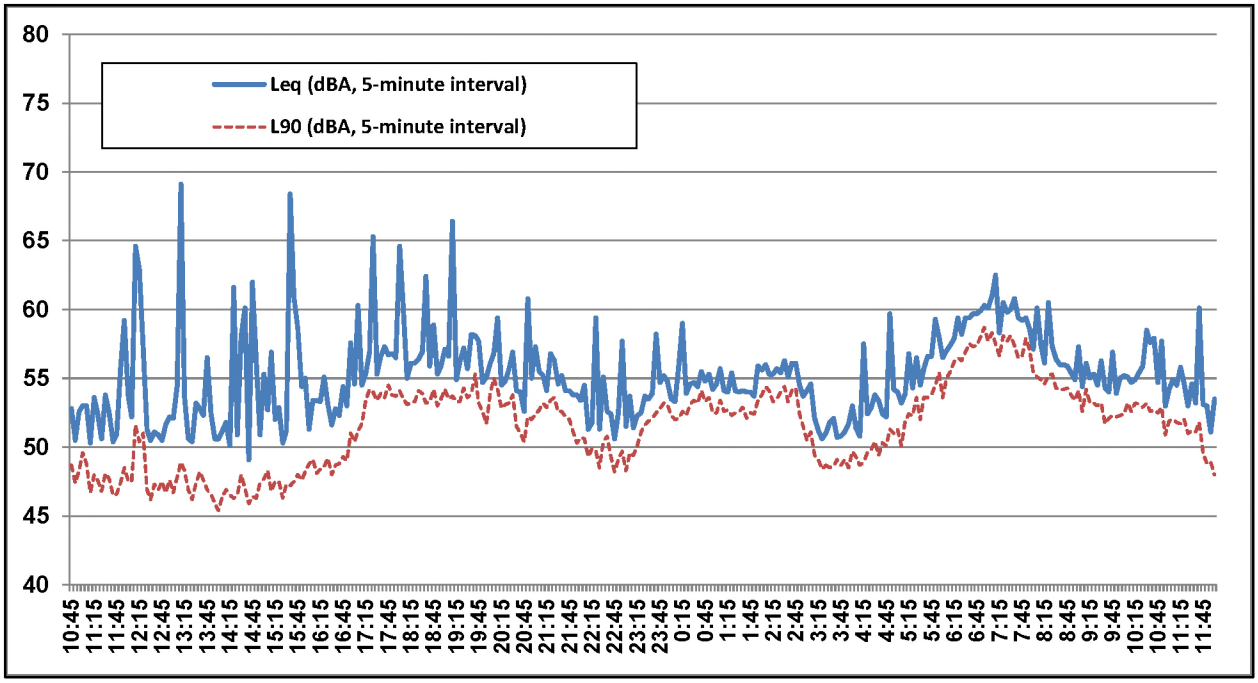


Figure A1-1. Plot of consecutive 5-minute intervals monitored at CD-15 baseline field sound pressure level (SPL) survey location LT-2

Attachment 2
Photographs of Sample Sound Pressure Level (SPL) Survey Locations



Date: October 17, 2018
Measurement Location: ST-1 (N. Palos Verdes St. *cul-de-sac*)
View Direction: south-southeast
Notes: SLM microphone circled in dashed yellow



Date: October 17, 2018
Measurement Location: ST-1 (N. Palos Verdes St. *cul-de-sac*)
View Direction: north
Notes: SLM microphone circled in dashed yellow



Date: October 17, 2018
Measurement Location: ST-2 (within Park-n'-Ride lot)
View Direction: east
Notes: SLM microphone circled in dashed yellow



Date: October 17, 2018
Measurement Location: ST-2 (within Park-n'-Ride lot)
View Direction: southwest
Notes: SLM microphone circled in dashed yellow



Date: October 17, 2018
Measurement Location: ST-3 (northwest corner of O'Farrell and N. Beacon)
View Direction: west
Notes: SLM microphone circled in dashed yellow



Date: October 17, 2018
Measurement Location: ST-3 (northwest corner of O'Farrell and N. Beacon)
View Direction: west
Notes: SLM microphone circled in dashed yellow



Date: October 17, 2018
Measurement Location: ST-4 (along O'Farrell, near retaining wall)
View Direction: northeast
Notes: SLM microphone circled in dashed yellow



Date: October 17, 2018
Measurement Location: ST-4 (along O'Farrell, near retaining wall)
View Direction: northwest
Notes: SLM microphone circled in dashed yellow

Attachment 3
Cumulative Noise Discussion for Concurrent Construction Projects

Dt: 2 November 2018
To: Shannon Ledet (AECOM)
Fm: Mark Storm (AECOM)
Re: **Predictive analysis of concurrent construction noise for 515 N. Beacon St. and nearby projects**

Per the forwarded list from Heloise Froelich (BOE) on October 31, 2018, I have used aerial imagery from Google Earth to examine the distances and potential for sound-intervening structures between each potential cumulative project and the nearest of the identified noise-sensitive land uses (NSLU) discussed in the noise technical memorandum to which this document is "Attachment 3". The list of these other projects is as follows:

- 249 W. Oliver Street – new "two story ADU with deck over 3 car garage";
- 204 W. Santa Cruz Street – grading, "GPI ONLY for new retaining wall... at rear of lot"; and,
- 238 W. Sepulveda Street – "new detached 2-car garage".

Assumptions used to qualitatively and quantitatively assess cumulative noise impact from concurrent construction projects on the 515 N. Beacon St. project NSLU are as follows:

- Construction noise from each studied project is comparable (per compliance with Los Angeles Municipal Code [LAMC] 112.05, no more than 75 dBA hourly L_{eq} at 50 feet);
- Only two projects would be concurrent (e.g., construction of 515 N. Beacon St. and another project); and,
- "Cumulatively considerable" (CC) is defined as a project causing the logarithmic sum of noise from the two concurrent projects under construction to be more than 1 dBA higher than the louder of the two individual sources, and that this elevated level is sufficient to cause a noise impact with respect to the Los Angeles Municipal Code (LAMC). In other words, if a project would otherwise be compliant (e.g., increase in exterior ambient < 5 dBA), the noise from the concurrent other project cause the logarithmic sum to result in a level that exceeds this threshold (e.g., > 5 dBA exterior ambient increment). In terms of distance, if source noise levels from the concurrent construction activities are comparable (first bullet above), the "other project" needs to be at a distance from the NSLU equal to 1.6 times the project's distance or less to the same NSLU to be considered CC. If there are intervening structures to occlude the sound path, this distance can be shortened or eliminated—by way of example, a building receiving noise on opposite facades occludes noise contribution in each direction.

The following table summarizes the predicted instances of cumulatively considerable effect and the expect source. In summary, no cumulatively considerable construction noise effects are anticipated at the studied NSLU for the proposed 515 N. Beacon St. project.

Cumulative Project (CP):	249 W. Oliver St.	204 W. Santa Cruz St.	238 W. Sepulveda St.
Studied NSLU (below list):	Predicted cumulatively considerable (CC) effects from indicated project construction noise (if concurrent w/ proposed 515 N. Beacon St. project [PP])		
410 N. Palos Verdes St.	CP is at least 475 feet from the NSLU, which is at least 1.6 times the distance between the PP and NSLU, and there are intervening structures; hence, CC effect is not anticipated.	CP is at least 480 feet from the NSLU, which is at least 1.6 times the distance between the PP and NSLU, and there are intervening structures; hence, CC effect is not anticipated.	CP is at least 380 feet from the NSLU, which is at least 1.6 times the distance between the PP and NSLU, and there are intervening structures; hence, CC effect is not anticipated.
422 N. Palos Verdes St.			
434 N. Palos Verdes St.			
336 N. Palos Verdes St.			

ATTACHMENT E. AIR QUALITY/GREEN HOUSE GAS RESOURCES INFORMATION

This page intentionally left blank.

Memorandum

To	Ms. Heloise Froelich Environmental Management Group Bureau of Engineering, Department of Public Works	Pages 12
Subject	Bridge Housing Project on N. Beacon Street: Air Quality and Greenhouse Gas (GHG) Technical Memorandum	
From	Sam Silverman, Andy Uk, Terry A. Hayes Associates Inc. (TAHA)	
Date	November 7, 2018	

Introduction

This Technical Memorandum describes potential air quality and GHG emissions impacts of the Bridge Housing Project on N. Beacon Street in San Pedro (proposed project). The proposed project would be located within a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The Caltrans-owned project site is located at 515 North Beacon Street in the San Pedro community within Council District (CD) 15 in the City of Los Angeles. The addresses that comprise the entire project site include 407, 427, and 437 North Beacon Street. The associated Assessor Parcel No. (APN) is 7449-007-900. The parking lot is located just south of the Interstate 110 (I-110)/Harbor Boulevard interchange and the project site is comprised of a total of approximately 49,500 square feet. The project site is currently utilized as a Park and Ride Lot for Caltrans and is occasionally used as a construction equipment and trailer staging area by both Caltrans and Port of Los Angeles.

The City of Los Angeles would lease the project site from Caltrans for the proposed project. The proposed project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The proposed project would be a temporary facility (3 years) and would be operated by the City through Los Angeles Homeless Services Authority, or another City vendor. The project site and surrounding area are within a highly urbanized and densely populated area of Los Angeles near the Port of Los Angeles. As discussed in this memorandum, the proposed project will have no significant effects related to air quality or GHG emissions.

Purpose

The purpose of this Technical Memorandum was to assess the potential for air quality and GHG impacts in accordance with the California Environmental Quality Act (CEQA). The analysis is consistent with methodology established by the South Coast Air Quality Management District (SCAQMD).

Air Quality Planning

The project site is located within the South Coast Air Basin (SCAB) under the jurisdiction of the SCAQMD. The SCAQMD monitors air quality within the SCAB, which includes Orange County and portions of Los Angeles, Riverside, and San Bernardino counties. The SCAB is bounded by the Pacific Ocean to the west; the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east; and the San Diego County line to the south. The SCAB is subject to some of the worst air pollution in the nation due to the immense magnitude of

emissions sources and the combination of topography, low mean atmospheric mixing height, and abundant sunshine. Although the SCAB has a semiarid climate, air near the surface is generally moist because of the presence of a shallow marine layer. With very low average wind speeds, there is a limited capacity to disperse air contaminants horizontally. The mountains and hills surrounding the SCAB contribute to the variation of rainfall, temperature, and winds throughout the region.

The primary purpose of an air quality plan is to bring an area that does not attain National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) into compliance with those standards pursuant to the requirements of the Federal Clean Air Act and California Clean Air Act. NAAQS and CAAQS have been established for the following criteria pollutants: ozone (O_3), carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), respirable particulate matter less than 10 microns in diameter (PM_{10}), fine particulate matter less than 2.5 microns in diameter ($PM_{2.5}$), and lead (Pb). Because O_3 is not directly emitted in the air—rather it is formed by chemical reactions between nitrogen oxides (NOx) and volatile organic compounds (VOC) in the presence of sunlight—air quality regulations focus on ozone's precursors. These pollutants are common by products of human activities and have been documented through scientific research to cause adverse health effects.

SCAQMD is tasked with preparing regional programs and policies designed to improve air quality within the SCAB, which are assessed and published in the form of an Air Quality Management Plan (AQMP). The AQMP is updated every four years to evaluate the effectiveness of the adopted programs and policies and to forecast attainment dates for nonattainment pollutants. The most recent publication is the 2016 AQMP, which is intended to serve as a regional blueprint for achieving the federal air quality standards and healthful air. The 2016 AQMP represents a thorough analysis of existing and potential regulatory control options, and includes available, proven, and cost-effective strategies to pursue multiple goals in promoting reductions in GHG emissions and toxic risk, as well as efficiencies in energy use, transportation, and goods movement. The 2016 AQMP focuses on demonstrating NAAQS attainment dates for the 2008 8-hour O_3 standard, the 2012 annual $PM_{2.5}$ standard, and the 2006 24-hour $PM_{2.5}$ standard.

Criteria Air Pollutant Emissions

Construction

Construction of the proposed project would result in the generation of criteria pollutant emissions. Criteria air pollutant emissions associated with typical construction activities were modeled using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. This model allows the user to enter project-specific construction information, such as the types, number and horsepower of construction equipment, and the number and length of off-site motor vehicle trips. Construction emissions were estimated for the use of off-road equipment, heavy-duty trucks (i.e., demolition, haul, and materials delivery), and worker commutes.

The City of Los Angeles Department of Public Works, Bureau of Engineering (BOE) provided assumptions for the emissions analysis, which are provided in Attachment 1. Construction of the proposed project is expected to begin in December 2018 and would last approximately five months. The estimated construction workforce is a maximum of ten workers per day. The analysis assumed a maximum of three vendor truck trips per day (i.e., equipment and materials delivery) and up to 20 truck trips per day to haul construction materials off-site. Grading activity would be minimal as the project site has previously been developed and is flat. The estimate of fugitive dust emissions account for Rule 403 compliance. Examples of Rule 403 compliance include: a) All exposed areas will be frequently watered to reduce the generation of dust, and b) Vehicle speed of construction vehicles/equipment in exposed areas (i.e., unpaved access) shall be reduced to reduce the generation of dust.

The SCAQMD significance thresholds were used to assess regional and localized emissions during construction and operation of the proposed project (SCAQMD, 2015). Localized emissions of criteria air pollutants and precursors were assessed in accordance with SCAQMD's localized significance thresholds (LST) guidance (SCAQMD, 2008). For projects less than five acres in area, the SCAQMD has developed look-up reference tables providing the maximum daily emissions that would not have the potential to cause an exceedance of any air quality standard based on existing ambient air quality. The nearest sensitive receptors to the project site are single-family residences adjacent and to the west. Therefore, the analysis conservatively assumes a project site of two acre and a receptor distance of 25 meters for the LST values. Please note that the maximum daily regional emissions (i.e., combined on- and off-site emissions) would occur during the demolition phase and

building construction phase for VOC, the demolition phase for NO_X, PM_{10}, and $PM_{2.5}$, and the grading phase for CO. In addition, the maximum localized emissions (i.e., on-site emissions only) would occur during the building construction phase for NO_X, grading phase for CO and the demolition phase for PM_{10}, and $PM_{2.5}$.

As shown in Table 1, the peak daily construction emissions would not exceed any of the SCAQMD daily or LST thresholds. Therefore, construction of the proposed project would not violate an ambient air quality standard or contribute substantially to an existing violation. No significant effects are anticipated. Additional modeling assumptions and details are provided in Attachment 1.

Operation

After construction, day-to-day activities associated with the operation of the proposed project would generate emissions from a variety of sources. Operational emissions may be both direct and indirect emissions, and would be generated by area, mobile, and energy sources. Area sources include sources such as the use of consumer products (e.g., cleaning products, aerosols), landscape maintenance equipment, and periodic architectural coatings. The proposed project would be used as a facility serving homeless families and individuals. Mobile-source emissions would primarily include vehicle trips by employees to the facility. It is anticipated the facility would result in 130 trips per day. Operational emissions associated with the day-to-day activities of the proposed project were quantified using CalEEMod. As shown in Table 2, the peak daily operational emissions would not exceed any of the SCAQMD daily thresholds. Therefore, operation of the proposed project would not violate an ambient air quality standard or contribute substantially to an existing violation. No significant effects are anticipated. Additional modeling assumptions and details are provided in Attachment 1.

Table 1. Unmitigated Maximum Daily Construction-Related Emissions

Phase	Daily Emissions (Pounds Per Day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Demolition						
On-Site Emissions	0.2	1.1	1.2	<0.1	3.3	0.6
Off-Site Emissions	0.6	14.0	4.1	<0.1	1.0	0.3
Total	***0.8***	***15.1***	***5.3***	***<0.1***	***4.3***	***0.9***
Grading						
On-Site Emissions	0.5	3.9	4.3	<0.1	0.4	0.2
Off-Site Emissions	0.2	2.1	1.5	<0.1	0.3	0.1
Total	***0.7***	***6.0***	***5.8***	***<0.1***	***0.7***	***0.3***
Trenching/Utilities						
On-Site Emissions	0.2	1.1	1.2	<0.1	0.1	0.1
Off-Site Emissions	0.1	0.8	1.1	<0.1	0.3	0.1
Total	***0.3***	***1.9***	***2.3***	***<0.1***	***0.4***	***0.2***
Building Construction						
On-Site Emissions	0.7	7.4	3.5	<0.1	0.4	0.3
Off-Site Emissions	0.1	0.8	1.1	<0.1	0.3	0.1
Total	***0.8***	***8.2***	***4.6***	***<0.1***	***0.7***	***0.4***
Paving						
On-Site Emissions	0.5	4.9	4.1	<0.1	0.4	0.3
Off-Site Emissions	0.1	0.8	1.1	<0.1	0.3	0.1
Total	***0.6***	***5.7***	***5.2***	***<0.1***	***0.7***	***0.4***
REGIONAL ANALYSIS						
Maximum Regional Daily Emissions[1]	***0.8***	***15.1***	***5.8***	***<0.1***	***4.3***	***0.9***
Regional Significance Threshold	75	100	550	150	150	55
Exceed Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
LOCALIZED ANALYSIS						
Maximum Localized Daily Emissions[2]	***--***	***7.4***	***4.3***	***--***	***3.3***	***0.6***
Localized Significance Threshold[3]	--	82	842	--	7	5
Exceed Localized Threshold?	**--**	**No**	**No**	**--**	**No**	**No**

Source: TAHA, 2018.

Notes:

[1]Maximum regional emissions (i.e., combined on- and off-site emissions) would occur during the demolition and building construction phases for VOC, the demolition phase for NO_X, PM_{10}, and $PM_{2.5}$, and the grading phase for CO.

[2]Maximum localized emissions (i.e., on-site emissions only) would occur during the building construction phase for NO_X, the grading phase for CO, and the demolition phase for PM_{10} and $PM_{2.5}$.

[3]Assumes a 2-acre project site and a 25-meter receptor distance for Source Receptor Area 4. The nearest sensitive receptors are single-family residences adjacent and to the west. The SCAQMD has not developed an LST for VOC or SO_X emissions.

Table 2. Unmitigated Maximum Daily Operational Emissions

Source/Description	Daily Emissions (Pounds Per Day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Area (On-Site)	0.6	<0.1	<0.1	<0.1	<0.1	<0.1
Energy (Off-Site)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mobile (Off-Site)	0.3	1.3	3.4	<0.1	0.8	0.2
Total	***0.9***	***1.3***	***3.4***	***<0.1***	***0.8***	***0.2***
REGIONAL ANALYSIS						
Maximum Regional Daily Emissions[1]	***0.9***	***1.3***	***3.4***	***<0.1***	***0.8***	***0.2***
SCAQMD Regional Thresholds	55	55	550	150	150	55
Exceed Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
LOCALIZED ANALYSIS						
Maximum Localized Daily Emissions[2]	**--**	**<0.1**	**<0.1**	**--**	**<0.1**	**<0.1**
Localized Significance Threshold[3]	--	74	680	--	2	1
Exceed Localized Threshold?	**--**	**No**	**No**	**--**	**No**	**No**

Source: TAHA, 2018.

Notes:

[1]The maximum regional emissions includes all operational emissions (i.e., on- and off-site activities).

[2]On-site emissions only include areas sources (e.g., cleaning products and aerosols)

[3]Assumes a 2-acre project site and a 25-meter receptor distance for Source Receptor Area 4. The nearest sensitive receptors are single-family residences adjacent and to the west.

SCAQMD has not developed an LST for VOC or SO_X emissions.

Toxic Air Contaminants

Construction

The SCAQMD devised its LST values to prevent the occurrence of localized hot spots of criteria pollutant concentrations at sensitive receptor locations surrounding the project site. The LST values were determined using emissions modeling based on ambient air quality measured throughout the SCAB. If maximum daily emissions remain below the LST values during construction activities, it is highly unlikely that air pollutant concentrations in ambient air would reach substantial levels sufficient to create public health concerns for sensitive receptors. As shown in Table 1, maximum daily emissions from sources located on the project site would not exceed any applicable LST values. Therefore, construction of the proposed project would not result in exposure of sensitive receptors to substantial concentrations of criteria pollutants. No significant effects are anticipated.

Furthermore, according to SCAQMD methodology, health risks from carcinogenic air toxics are usually described in terms of individual cancer risk. “Individual Cancer Risk” is the likelihood that a person exposed to concentrations of TACs over a 30-year lifetime will contract cancer based on the use of standard risk-assessment methodology. The entire duration of construction activities associated with implementation of the proposed project is anticipated to be approximately five months, and the magnitude of daily diesel PM emissions will vary over this time period. No residual emissions and corresponding individual cancer risk are anticipated after construction. Because there is such a short-term exposure period, no significant effects are anticipated associated with construction TAC emissions.

The California Office of Environmental Health Hazard Assessment (OEHHA) has also published guidance for estimating health risks. The guidance includes a recommendation for assessing construction-related risks for short-term activities. Importantly, while the SCAQMD and the City support the OEHHA methodologies, the

screening guidance has not been adopted by either agency. The proposed project involves five months of construction activities and no substantial earthwork activities. Based on information provided by BOE, construction activities would involve a total of 40 equipment use days, or approximately eight weeks in total over the five-month construction period. Regarding TAC emissions during construction activities, average daily diesel particulate matter emissions on equipment use days would be approximately 0.16 pounds per work day. Comprehensive experience implementing the OEHHA guidance for development projects has shown that this level of emission over this relatively short time period has no potential to result in a significant health risk. Furthermore, heavy-duty equipment would not be in use for approximately two and a half months of the five-month construction period, and sources of air pollutant emissions would be limited to worker trips and material deliveries when equipment is not in use. On these days, there would be no source of diesel particulate matter emissions operating on the project site. There is no need for a detailed construction health risk assessment. However, as requested by the lead agency, a Health Risk Assessment has been prepared and is placed in the Administrative Record to further support these conclusions.

Operation

Regarding exposure of on-site residents and workers to permanent sources of toxic air contaminants, SCAQMD and the OEHHA recommends detailed health risk assessment for projects located within 0.25 miles of high-volume roadways (i.e., freeways), trucking facilities, and other substantial sources of emissions (e.g., rail yards, ports, etc.). The project site is not located near a significant or uncommon source of toxic air contaminant emissions. Furthermore, OEHHA and SCAQMD guidance assesses long-term exposure over a 70-year lifetime. The temporary shelter is planned for a three-year period of operation. There is no potential for people located on the project site to be exposed to significant health risk from air pollution.

Regarding off-site exposure from operational activities occurring on the project site, the proposed project does not include an industrial component that would constitute a new substantial stationary source of operational air pollutant emissions, nor does it include a land use that would generate a substantial number of heavy-duty truck trips. There would be no substantial source of air toxic emissions. Additionally, as shown in Table 2, daily emissions of criteria pollutants would not exceed SCAQMD thresholds. No significant effects are anticipated.

Odors

Construction

A significant impact would occur if construction or operation of the proposed project would result in the creation of nuisance odors that would be noxious to a substantial number of people. Potential sources that may produce objectionable odors during construction activities include equipment exhaust, application of asphalt and architectural coatings, and other interior and exterior finishes. Odors from these sources would be localized and generally confined to the immediate area surrounding the project site; the emissions would be temporary in nature and would not persist beyond the termination of construction activities. The proposed project would utilize standard construction techniques and procedures, and the odors would be typical of most construction sites and temporary in nature. In addition, as construction-related emissions dissipate away from the construction area, the odors associated with these emissions would also decrease and would be quickly diluted. No significant effects are anticipated.

Operation

The proposed project would also include a food preparation and serving area. Odors associated with food preparation from the project site would be produced. According to the SCAQMD CEQA Air Quality Handbook, land uses and industrial operations that are associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies and fiberglass molding. Although, the homeless shelter would produce some odors and smells associated with the preparation of food, the operations would comply with SCAQMD Rule 402, which would prohibit any air quality discharge that would be a nuisance or pose any harm to individuals of the public. On-site trash receptacles would have the potential to create adverse odors. Trash receptacles would be located and maintained in a manner that promotes odor control in accordance with the Los Angeles Clean Streets program and no significant odor effects are anticipated from these types of land uses.

Cumulative Impacts

"Cumulative impacts" refers to two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. The cumulative impact from several projects is the change in the environment that results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. SCAQMD states that, "projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant" (SCAQMD, 2003). As shown in Tables 1 and 2, neither construction nor operation of the proposed project would exceed applicable SCAQMD thresholds. Therefore, no further cumulative analysis is warranted.

Greenhouse Gas (GHG) Emissions

GHG emissions refer to a class of emissions that are generally believed to affect global climate conditions. The greenhouse effect compares the Earth and the atmosphere surrounding it to a greenhouse with glass panes. The glass panes in a greenhouse let heat from sunlight in and reduce the amount of heat that escapes. GHGs, such as carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O), keep the average surface temperature of the Earth close to 60°F. CO_2 is the most abundant pollutant that contributes to climate change through fossil fuel combustion. The other GHGs are less abundant but have higher global warming potency than CO_2. To account for this higher potential, emissions of other GHGs are frequently expressed in the equivalent of CO_2, denoted as CO_2e. CO_2e is a measurement used to account for the fact that different GHGs have different potential to retain infrared radiation in the atmosphere and contribute to the greenhouse effect.

The State of California and SCAQMD have adopted plans or policies to reduce GHG emissions. In September 2006, California passed the California Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32; California Health and Safety Code Division 25.5, Sections 38500, et seq.). AB 32 establishes regulatory, reporting, and market mechanisms to achieve quantifiable reductions in GHG emissions and establishes a cap on statewide GHG emissions. It requires that statewide GHG emissions be reduced to 1990 levels by 2020. In 2008 and 2014, the California Air Resources Board (CARB) approved the Scoping Plan and the first update to the Scoping Plan, respectively (CARB, 2008; 2014). In 2016, the state legislature passed Senate Bill (SB) 32, which established a 2030 GHG emissions reduction target of 40 percent below 1990 levels. In response to SB 32 and the companion legislation of AB 197, ARB approved the Final Proposed 2017 Scoping Plan Update: The Strategy for Achieving California's 2030 GHG Target in November 2017 (CARB, 2017). The 2017 Scoping Plan draws from the previous plans to present strategies to reaching California's 2030 GHG reduction target. None of these statewide plans or policies constitutes a regulation to adopt or implement a regional or local plan for reduction or mitigation of GHG emissions. It is assumed that any requirements formulated under the mandate of AB 32 and SB 32 would be implemented consistent with statewide policies and laws. Executive Order (E.O.) B-30-15 established an interim GHG reduction target of 40 percent below 1990 levels by 2030, and E.O. S-3-05 established a long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050.

In May 2007, Los Angeles released "Green LA: An Action Plan to Lead the Nation in Fighting Global Warming" (Climate Action Plan) with a goal to reduce the City's GHG emissions to 35 percent below 1990 levels by the year 2030. The Climate Action Plan focuses on reducing GHG emissions by increasing the use of renewable energy sources, implementing green building policies, diverting waste from landfills, greening the Port of Los Angeles, and changing land use and transportation patterns to reduce dependence on automobiles. In April 2015, the City of Los Angeles released the City's Sustainable City pLAn, which lays out strategies and priority initiatives to reduce Los Angeles's GHG emissions by 45 percent by 2025, 60 percent by 2035, and 80 percent by 2050, all against a 1990 baseline (City of Los Angeles, 2015).

As the City of Los Angeles has not established screening thresholds for GHG emissions, this analysis uses the applicable significance thresholds developed by the SCAQMD. The GHG CEQA Significance Threshold Stakeholder Working Group recommended options for evaluating non-industrial projects, including thresholds for residential, commercial, and mixed-use projects. These draft thresholds include a threshold of 3,000 metric tons CO_2e ($MTCO_2e$) per year for non-industrial projects (SCAQMD, 2010). This analysis compares the amortized construction and operational emissions to the SCAQMD draft threshold of 3,000 $MTCO_2e$ per year. The SCAQMD recommends that construction emissions associated with a project be amortized over the life of the project (typically 30 years) and added to the operational emissions. The proposed project comprises a temporary housing facility with an operational lifetime of three years. Therefore, this analysis includes a quantification of the

total modeled construction-related GHG emissions which are then amortized and evaluated over the three-year life of the proposed project.

Heavy-duty off-road equipment, materials transport, and worker commutes during construction of the proposed project would result in exhaust-related GHG emissions. GHG emissions generated during the operational phase of the proposed project would include emissions from mobile sources, energy consumption, water consumption, waste disposal, and area sources. GHG emissions were estimated using CalEEMod to obtain daily emissions and a spreadsheet to annualize emissions based on equipment hours provided by BOE. As shown in Table 3, the total construction-related and operational CO_2e of 208 $MTCO_2e$ associated with the proposed project would be less than the 3,000 $MTCO_2e$ threshold.

Table 3. Maximum Annual Emissions

Emissions Category	**CO_2e (Metric Tons per Year)**
Construction Emissions Amortized (Direct)[1]	12
Area Source Emissions (Direct)	<0.1
Mobile Source Emissions (Direct)	173
Energy – Natural Gas Emissions (Direct)	<0.1
Waste Disposal Emissions (Indirect)	0.1
Water Distribution Emissions (Indirect)	23
Total Emissions	**208**
SCAQMD Proposed Threshold ($MTCO_2e$/year)[2]	3,000
Exceed Threshold?	**No**

Source: TAHA, 2018
[1]Amortized construction emissions obtained by dividing total construction emissions by 3 years.
[2]SCAQMD, 2010.

Greenhouse Gas (GHG) Reduction Plans

State and regional agencies along with the City have adopted programs and policies to control and reduce GHG emissions. The following discussion addresses relevant programs and policies. Importantly, the proposed project would be a temporary three-year use that would not contribute to the permanent GHG emissions inventory. The 208 $MTCO_2e$ emissions identified above represents approximately seven percent of the significance threshold. Negligible emissions would be related to the region's primary source of GHG emissions, which is on-road vehicles. The relatively small magnitude and temporary nature of GHG emissions associated with the proposed project render any efforts to further reduce emissions to less than 208 $MTCO_2e$ emissions to be essentially unnecessary.

Assembly Bill 32 (AB 32)

AB 32 requires the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions and directs the CARB to set a GHG emission limit—based on 1990 levels—to be achieved by 2020. The Scoping Plan outlines a series of technologically feasible and cost-effective measures to reduce statewide GHG emissions, including expanding energy efficiency programs, increasing electricity production from renewable resources (at least 33 percent of the statewide electricity mix), and increasing automobile efficiency, implementing the Low-Carbon Fuel Standard, and developing a cap-and-trade program. These measures are designed to be implemented by State agencies at high planning levels. The proposed project's scale and required compliance with the mandatory measures related to planning, design, energy efficiency, water efficiency, water conservation, material conservation, resource efficiency, and environmental quality within the Los Angeles Green Building Code would ensure that the proposed project does not interfere with implementation of the AB 32 measures. The CARB has stated that the statewide GHG emissions inventory was 429.4

$MMTCO_2e$ in 2016. The proposed project would generate approximately 208 $MTCO_2e$ per year. There is no potential for the proposed project to be inconsistent with the AB 32 GHG reduction goals.

Executive Orders S-3-05 (E.O. S-3-05)

E.O. S-3-05 established a long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050. The proposed project is a temporary three-year facility that would be closed well before 2050. There is no potential for the proposed project to interfere with attainment of 2050 statewide GHG reduction goals. In addition, achieving these long-term GHG reduction policies will require systemic changes in how energy is produced and used. There are a number of studies that discuss potential mechanisms for limiting statewide GHG emissions to meet the aggressive goals identified by E.O. S-3-05. For example, CARB and other State agencies commissioned Energy + Environmental Economics in 2015 to develop feasible GHG reduction scenarios for 2030. Other studies include a report by the California Center for Science and Technology, the California Department of Transportation's California Transportation Plan 2040, CARB's First Update to the AB 32 Scoping Plan, and a study published in Science that analyzes the changes that will be required to reduce GHG emissions to 80 percent below 1990 levels by 2050. In general, these studies reach similar conclusions—deep reductions in GHG emissions can only be achieved with significant changes in electricity production, transportation fuels, and industrial processes (e.g., decarbonizing electricity production, electrifying transportation, utilizing alternative fuels for aviation).

The systemic changes that will be required to achieve E.O. S-3-05, if they are legislatively adopted, will require significant policy, technical, and economic solutions. Some changes, such as the use of alternative fuels (e.g., biofuel) to replace petroleum for aviation, cannot be accomplished without action by the federal government. Similarly, achieving the reduction goals will require California to dramatically increase the amount of electricity that is generated by renewable generation sources and, correspondingly, advance the deployment of energy storage technology and smart-grid strategies, such as price-responsive demand and the smart charging of vehicles. This would entail a significant redesign of California's electricity system, which can only be accomplished through State action. Accordingly, in evaluating the proposed project's emissions for consistency with E.O. S-3-05, it is important to note that many of the broad-scale shifts needed to meet the reduction goals are outside of the control of the City and beyond the scope of the proposed project.

The long-term climate change policy and regulatory changes that will be enacted to meet 2030 and 2050 emissions reduction targets are unknown at this time. As a consequence, the extent to which the proposed project emissions and resulting impacts would be mitigated through implementation of statewide (and nationwide) changes is not known. However, some of the anticipated statewide actions (e.g., decarbonization, energy efficiency, alternative transportation) can be facilitated, at least to some extent, through implementation of specific GHG reduction measures in large-scale developments. The proposed project includes policies related to reduced water consumption. The proposed project is consistent with anticipated long-term statewide strategies to reduce GHG emissions. Accordingly, the proposed project would not conflict with the goals in E.O. S-3-05.

Senate Bill 32 (SB 32)

SB 32 was enacted in 2016 in response to E.O. B-30-15 and requires reducing statewide GHG to 40 percent below 1990 levels by 2030. The proposed project is a temporary three-year facility that would be closed before 2030. There is no potential for the proposed project to interfere with attainment of 2030 statewide GHG reduction goals. Refer to the above discussions related to AB 32 and E.O. S-3-05 for additional analysis.

Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)

SB 375 requires the metropolitan planning organizations to prepare an SCS in their regional transportation plans to achieve the per capita GHG reduction targets and the region's SCS is contained within the Southern California Association of Governments 2016–2040 RTP/SCS. As discussed above, the proposed project would not be inconsistent with GHG reduction targets associated with AB 32 and related regulations. In addition, the RTP/SCS focuses on job growth in high quality transit areas, resulting in more opportunity for transit-oriented development. The RTP/SCS supports sustainable growth through a more compact, infill, and walkable development pattern. The proposed project is adjacent to the Los Angeles County Metropolitan Transportation Authority (Metro) Silver Line Harbor/Beacon Park and Ride Station. The Metro Silver Line would serve riders of the proposed project and the surrounding areas.

Air Quality Management Plan

The 2016 AQMP is a regional blueprint for achieving the federal air quality standards and healthful air. The AQMP is focused on criteria air pollutant and ozone precursor emissions, although Chapter 10 addresses climate and energy. The AQMP identifies the primary sources of criteria air pollutant and GHG emissions as direct and indirect energy use within the Basin. The largest share of energy use in the SCAB is related to transportation purposes and the second largest share is electricity use. The majority of policies included in Chapter 10 of the AQMP are not relevant to individual or temporary land use development. These include:

- Establishing a workgroup to assess life-cycle emissions;
- Technical assistance to agencies implementing efficiency measures or new transportation technologies and infrastructure;
- Implementing more efficient mobile source technologies;
- Working collaboratively with other State, national, and international entities on air pollution reduction efforts;
- Evaluating biogas technologies; and
- Studying future climate impacts on air quality.

The AQMP does include policies related to reducing energy consumption and imported water use. The proposed project would not be inconsistent with GHG policies in the AQMP.

GreenLA Climate Action Plan (CAP)

The City of Los Angeles has issued guidance promoting sustainable development to reduce GHG emissions citywide in the form of a CAP. The objective of GreenLA is to reduce GHG emissions 35 percent below 1990 levels by 2030. GreenLA identifies goals and actions designed to make the City a leader in confronting global climate change. The measures would reduce emissions directly from municipal facilities and operations and create a framework to address citywide GHG emissions. GreenLA lists various focus areas in which to implement GHG reduction strategies. Focus areas include energy, water, transportation, land use, waste, port, airport, and ensuring that changes to the local climate are incorporated into planning and building decisions. City goals for each focus area are identified as follows:

Energy

- Increase the generation of renewable energy;
- Encourage the use of mass transit;
- Develop sustainable construction guidelines;
- Increase City-wide energy efficiency; and
- Promote energy conservation.

Water

- Decrease per capita water use to reduce electricity demand associated with water pumping and treatment.

Transportation

- Power the City vehicle fleet with alternative fuels; and
- Promote alternative transportation (e.g., mass transit and rideshare).

Other Goals

- Create a more livable City through land use regulations;
- Increase recycling, reducing emissions generated by activity associated with the Port of Los Angeles and regional airports;
- Create more City parks, promoting the environmental economic sector; and
- Adapt planning and building policies to incorporate climate change policy.

In order to provide detailed information on action items discussed in GreenLA, the City published an implementation document titled "ClimateLA". ClimateLA presents the existing GHG inventory for the City, includes enforceable GHG reduction requirements, provides mechanisms to monitor and evaluate progress, and includes mechanisms that allow the plan to be revised in order to meet targets. By 2030, the plan aims to reduce GHG emissions by 35 percent from 1990 levels which were estimated to be approximately 54.1 million metric tons. The City will need to lower annual GHG emissions to approximately 35.1 million metric tons per year by 2030. To achieve these reductions the City has developed strategies that focus on energy, water use, transportation, land use, waste, open space and greening, and economic factors. The temporary shelter would not be inconsistent with the long-term goal to reduce citywide GHG emissions.

Zero Emissions 2028 Roadmap

In September 2018, the Transportation Electrification Partnership—convened by the Los Angeles Cleantech Incubator (LACI) —released the 1.0 version of their Zero Emissions 2028 Roadmap, setting the goal to move toward an additional 25 percent reduction in GHG emissions and air pollution beyond current commitments—through accelerating transportation electrification—by the time the world arrives in Los Angeles for the 2028 Olympic and Paralympic Games. The Partnership's Leadership Group includes the CARB, Los Angeles Mayor Eric Garcetti, County of Los Angeles, Metro, Los Angeles Department of Water and Power (LADWP), Southern California Edison (SCE), and LACI. Construction and operation of the proposed project would not interfere with planned upgrades to the electric grid infrastructure, nor would it introduce new non-electric vehicles to the regional transportation network. The goals of the Zero Emissions 2028 Roadmap would not be compromised by implementing the proposed project.

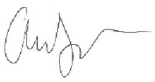
Conclusions

Based on the results of this environmental review, no environmental concerns were identified in connection with the proposed project. No significant effects are anticipated related to air quality and GHG.

Prepared by



Sam Silverman
Senior Associate



Andy Uk
Assistant Planner

Attachment 1 – CalEEMod Files & GHG Emissions Calculations

References

California Air Resources Board (CARB). 2008. Climate Change Scoping Plan. Available at https://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf. Accessed November 2018.

———. 2014. First Update to the Climate Change Scoping Plan: Building on the Framework. Pursuant to AB 32, the California Global Warming Solutions Act of 2006. Available at https://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf. Accessed November 2018.

———. 2017. California's 2017 Climate Change Scoping Plan. Available at https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf. Accessed November 2018.

City of Los Angeles. 2015. Sustainable City pLAn. Available at http://plan.lamayor.org/wp-content/uploads/2017/03/the-plan.pdf. Accessed November 2018.

Southern California Association of Governments. 2016. 2016-2040 RTP/SCS. Available at http://scagrtpscs.net/Pages/DRAFT2016PEIR.aspx. Accessed November 2018.

South Coast Air Quality Management District (SCAQMD). 2008. Localized Significance Threshold Methodology. Available at http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2. Accessed November 2018.

———. 2010. Interim CEQA GHG Significance Threshold. Available at http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf. Accessed November 2018.

———. 2015. Air Quality Significance Thresholds. Available at http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2. Accessed November 2018.

———. 2016. Air Quality Management Plan. Available at http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp. Accessed November 2018.

Attachment 1
CalEEMod Files & GHG Emissions Calculations

Table 1. Construction Equipment Assumptions

	HP	Qt	Demolition	Trenching	Grading	Paving	Sprung Structure Installation
Air Compressor							
Backhoes	30	1	8hrs per day 2 days	8hrs per day 10 days			
Bore/Drill Rigs							
Concrete/Industrial Saws							
Compactor							
Cranes							8hrs per day 1 day
Crawler Tractors							
Crushing/Proc. Equipment							
Dozer							
Excavator							
Forklifts, Rough Terrain							
Generator	5	1	4 hrs per day 3 days	4 hrs per day 5 days			
Grader							
Loaders, Rubber Tired							
Off-Highway Trucks							
Other Construction Equip.*							
Pavers							
Paving Equipment	80	2				8hrs per day 7 days	
Pile Driver							
Rollers	20	2			8hrs per day 7 days		
Scraper							
Signal Boards							
Skid Steer Loaders	70	2			8hrs per day 7 days		
Surfacing Equipment							
Tractors							
Trenchers							

Note: Unless hours of operation are included, the analysis will conservatively assume that the equipment operates for all hours as indicated by the response to (3) above.

* Other Construction Equipment types/details _____

515 N Beacon St. - Bridge Housing

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	3.10	Acre	3.10	134,841.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2019
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

515 N Beacon St. - Bridge Housing - Los Angeles-South Coast County, Winter

Project Characteristics - LABOE Project Schedule

Land Use - Tent Structure 60' x 120': 10,800 square-feet
Hygiene Station 12' x 60': 720 square-feet
Administration 24' x 40': 960 square-feet
Covered Dining Area: 880 square-feet
Food Serving Area: 120 square-feet
Covered Walkways: 350 square-feet

Construction Phase - Project Specific Phase Lengths

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Trips and VMT - Trip Generation.

Demolition -

Grading -

Vehicle Trips - Trip Generation.

Consumer Products -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule #403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	230.00	1.00

515 N Beacon St. - Bridge Housing - Los Angeles-South Coast County, Winter

tblConstructionPhase	NumDays	18.00	1.00
tblLandUse	LandUseSquareFeet	135,036.00	134,841.00
tblOffRoadEquipment	HorsePower	130.00	80.00
tblOffRoadEquipment	HorsePower	132.00	80.00
tblOffRoadEquipment	HorsePower	84.00	6.00
tblOffRoadEquipment	HorsePower	84.00	6.00
tblOffRoadEquipment	HorsePower	80.00	20.00
tblOffRoadEquipment	HorsePower	65.00	70.00
tblOffRoadEquipment	HorsePower	97.00	30.00
tblOffRoadEquipment	HorsePower	97.00	30.00
tblOffRoadEquipment	LoadFactor	0.36	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblTripsAndVMT	HaulingTripNumber	98.00	40.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	22.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	57.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblVehicleTrips	ST_TR	22.75	42.00
tblVehicleTrips	SU_TR	16.74	42.00
tblVehicleTrips	WD_TR	1.89	42.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.7789	15.0468	5.8199	0.0371	9.1785	0.2436	9.3161	1.5062	0.2245	1.6356	0.0000	3,971.6638	3,971.6638	0.3063	0.0000	3,979.3223
2019	0.8007	8.2119	5.1639	0.0111	0.2620	0.3717	0.6337	0.0704	0.3421	0.4125	0.0000	1,113.7234	1,113.7234	0.2479	0.0000	1,119.9208
Maximum	**0.8007**	**15.0468**	**5.8199**	**0.0371**	**9.1785**	**0.3717**	**9.3161**	**1.5062**	**0.3421**	**1.6356**	**0.0000**	**3,971.6638**	**3,971.6638**	**0.3063**	**0.0000**	**3,979.3223**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.7789	15.0468	5.8199	0.0371	4.1660	0.2436	4.3036	0.7473	0.2245	0.8767	0.0000	3,971.6638	3,971.6638	0.3063	0.0000	3,979.3223
2019	0.8007	8.2119	5.1639	0.0111	0.2620	0.3717	0.6337	0.0704	0.3421	0.4125	0.0000	1,113.7234	1,113.7234	0.2479	0.0000	1,119.9208
Maximum	**0.8007**	**15.0468**	**5.8199**	**0.0371**	**4.1660**	**0.3717**	**4.3036**	**0.7473**	**0.3421**	**0.8767**	**0.0000**	**3,971.6638**	**3,971.6638**	**0.3063**	**0.0000**	**3,979.3223**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.10**	**0.00**	**50.38**	**48.14**	**0.00**	**37.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/17/2018	12/17/2018	5	1	
2	Grading	Grading	12/20/2018	12/20/2018	5	1	
3	Trenching	Trenching	1/9/2019	1/9/2019	5	1	
4	Building Construction	Building Construction	1/30/2019	1/30/2019	5	1	
5	Paving	Paving	4/1/2019	4/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Generator Sets	1	4.00	6	0.74
Demolition	Tractors/Loaders/Backhoes	1	8.00	30	0.37
Grading	Rollers	2	8.00	20	0.38
Grading	Skid Steer Loaders	2	8.00	70	0.37
Trenching	Generator Sets	1	4.00	6	0.74
Trenching	Tractors/Loaders/Backhoes	1	8.00	30	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Paving	Pavers	1	8.00	80	0.42
Paving	Paving Equipment	1	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	2	20.00	6.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	20.00	6.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.2172	0.0000	8.2172	1.2442	0.0000	1.2442			0.0000			0.0000
Off-Road	0.2208	1.1179	1.1798	1.3500e-003		0.0803	0.0803		0.0746	0.0746		127.2061	127.2061	0.0351		128.0826
Total	**0.2208**	**1.1179**	**1.1798**	**1.3500e-003**	**8.2172**	**0.0803**	**8.2975**	**1.2442**	**0.0746**	**1.3187**		**127.2061**	**127.2061**	**0.0351**		**128.0826**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4071	13.0996	2.8605	0.0319	0.6993	0.0501	0.7494	0.1917	0.0479	0.2396		3,443.8526	3,443.8526	0.2505		3,450.1157
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.5581**	**13.9289**	**4.0760**	**0.0358**	**0.9613**	**0.0574**	**1.0187**	**0.2620**	**0.0548**	**0.3169**		**3,844.4577**	**3,844.4577**	**0.2713**		**3,851.2397**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2047	0.0000	3.2047	0.4852	0.0000	0.4852			0.0000			0.0000
Off-Road	0.2208	1.1179	1.1798	1.3500e-003		0.0803	0.0803		0.0746	0.0746	0.0000	127.2061	127.2061	0.0351		128.0826
Total	**0.2208**	**1.1179**	**1.1798**	**1.3500e-003**	**3.2047**	**0.0803**	**3.2850**	**0.4852**	**0.0746**	**0.5598**	**0.0000**	**127.2061**	**127.2061**	**0.0351**		**128.0826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4071	13.0996	2.8605	0.0319	0.6993	0.0501	0.7494	0.1917	0.0479	0.2396		3,443.8526	3,443.8526	0.2505		3,450.1157
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.5581**	**13.9289**	**4.0760**	**0.0358**	**0.9613**	**0.0574**	**1.0187**	**0.2620**	**0.0548**	**0.3169**		**3,844.4577**	**3,844.4577**	**0.2713**		**3,851.2397**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4825	3.9108	4.3183	5.9000e-003		0.2314	0.2314		0.2129	0.2129		594.1979	594.1979	0.1850		598.8225
Total	**0.4825**	**3.9108**	**4.3183**	**5.9000e-003**	**0.5303**	**0.2314**	**0.7616**	**0.0573**	**0.2129**	**0.2701**		**594.1979**	**594.1979**	**0.1850**		**598.8225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0407	1.3100	0.2861	3.1900e-003	0.0699	5.0100e-003	0.0749	0.0192	4.7900e-003	0.0240		344.3853	344.3853	0.0251		345.0116
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.1918**	**2.1393**	**1.5016**	**7.1000e-003**	**0.3319**	**0.0123**	**0.3442**	**0.0895**	**0.0117**	**0.1012**		**744.9904**	**744.9904**	**0.0458**		**746.1355**

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.4825	3.9108	4.3183	5.9000e-003		0.2314	0.2314		0.2129	0.2129	0.0000	594.1979	594.1979	0.1850		598.8225
Total	**0.4825**	**3.9108**	**4.3183**	**5.9000e-003**	**0.2068**	**0.2314**	**0.4382**	**0.0223**	**0.2129**	**0.2352**	**0.0000**	**594.1979**	**594.1979**	**0.1850**		**598.8225**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0407	1.3100	0.2861	3.1900e-003	0.0699	5.0100e-003	0.0749	0.0192	4.7900e-003	0.0240		344.3853	344.3853	0.0251		345.0116
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.1918**	**2.1393**	**1.5016**	**7.1000e-003**	**0.3319**	**0.0123**	**0.3442**	**0.0895**	**0.0117**	**0.1012**		**744.9904**	**744.9904**	**0.0458**		**746.1355**

3.4 Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2061	1.0831	1.1581	1.3500e-003		0.0734	0.0734		0.0682	0.0682		125.5563	125.5563	0.0350		126.4311
Total	**0.2061**	**1.0831**	**1.1581**	**1.3500e-003**		**0.0734**	**0.0734**		**0.0682**	**0.0682**		**125.5563**	**125.5563**	**0.0350**		**126.4311**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.4 Trenching - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2061	1.0831	1.1581	1.3500e-003		0.0734	0.0734		0.0682	0.0682	0.0000	125.5563	125.5563	0.0350		126.4311
Total	**0.2061**	**1.0831**	**1.1581**	**1.3500e-003**		**0.0734**	**0.0734**		**0.0682**	**0.0682**	**0.0000**	**125.5563**	**125.5563**	**0.0350**		**126.4311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6640	7.4353	3.4872	7.2900e-003		0.3653	0.3653		0.3361	0.3361		722.5310	722.5310	0.2286		728.2460
Total	**0.6640**	**7.4353**	**3.4872**	**7.2900e-003**		**0.3653**	**0.3653**		**0.3361**	**0.3361**		**722.5310**	**722.5310**	**0.2286**		**728.2460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.5 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6640	7.4353	3.4872	7.2900e-003		0.3653	0.3653		0.3361	0.3361	0.0000	722.5310	722.5310	0.2286		728.2460
Total	**0.6640**	**7.4353**	**3.4872**	**7.2900e-003**		**0.3653**	**0.3653**		**0.3361**	**0.3361**	**0.0000**	**722.5310**	**722.5310**	**0.2286**		**728.2460**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5217	4.9347	4.0759	5.4900e-003		0.3553	0.3553		0.3269	0.3269		544.3089	544.3089	0.1722		548.6142
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5217**	**4.9347**	**4.0759**	**5.4900e-003**		**0.3553**	**0.3553**		**0.3269**	**0.3269**		**544.3089**	**544.3089**	**0.1722**		**548.6142**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.6 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5217	4.9347	4.0759	5.4900e-003		0.3553	0.3553		0.3269	0.3269	0.0000	544.3089	544.3089	0.1722		548.6142
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5217**	**4.9347**	**4.0759**	**5.4900e-003**		**0.3553**	**0.3553**		**0.3269**	**0.3269**	**0.0000**	**544.3089**	**544.3089**	**0.1722**		**548.6142**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2702	1.2802	3.4092	0.0101	0.7968	0.0121	0.8089	0.2133	0.0114	0.2247		1,030.2527	1,030.2527	0.0627		1,031.8210
Unmitigated	0.2702	1.2802	3.4092	0.0101	0.7968	0.0121	0.8089	0.2133	0.0114	0.2247		1,030.2527	1,030.2527	0.0627		1,031.8210

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	130.20	130.20	130.20	374,656	374,656
Total	130.20	130.20	130.20	374,656	374,656

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

CONSTRUCTION GHG

Phase	Source	CO2e (lb/day)	Days	CO2e (lb CO2e/source)
Demo	Equipment	128.0826	3	384.2
Demo	Hauling	3450.1157	3	10350.3
Demo	Vendor	164.7866	3	494.4
Demo	Workers	236.3373	3	709.0
Grading	Equipment	598.8225	7	4191.8
Grading	Hauling	345.0116	14	4830.2
Grading	Vendor	164.7866	14	2307.0
Grading	Workers	236.3373	14	3308.7
Trenching	Equipment	126.4311	10	1264.3
Trenching	Hauling			0.0
Trenching	Vendor	163.0521	15	2445.8
Trenching	Workers	228.6226	15	3429.3
Building Construction	Equipment	728.246	1	728.2
Building Construction	Hauling			0.0
Building Construction	Vendor	163.0521	90	14674.7
Building Construction	Workers	228.6226	90	20576.0
Paving	Equipment	548.6142	7	3840.3
Paving	Hauling			0.0
Paving	Vendor	163.0521	7	1141.4
Paving	Workers	228.6226	7	1600.4
			Total (MTCO2e)	**34.6**
			Amortized (3-Years)	**11.5**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1138	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0479	0.2374	0.6282	1.8700e-003	0.1422	2.2000e-003	0.1444	0.0381	2.0600e-003	0.0402	0.0000	172.5445	172.5445	0.0103	0.0000	172.8024
Waste						0.0000	0.0000		0.0000	0.0000	0.0548	0.0000	0.0548	3.2400e-003	0.0000	0.1358
Water						0.0000	0.0000		0.0000	0.0000	0.0000	22.8554	22.8554	5.4000e-004	1.1000e-004	22.9021
Total	**0.1617**	**0.2374**	**0.6282**	**1.8700e-003**	**0.1422**	**2.2000e-003**	**0.1444**	**0.0381**	**2.0600e-003**	**0.0402**	**0.0548**	**195.3999**	**195.4547**	**0.0141**	**1.1000e-004**	**195.8404**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1138	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Unmitigated	0.1138	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0128					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1010					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Total	**0.1138**	**0.0000**	**4.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**8.0000e-005**	**8.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0128					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1010					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Total	**0.1138**	**0.0000**	**4.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**8.0000e-005**	**8.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.8554	5.4000e-004	1.1000e-004	22.9021
Unmitigated	22.8554	5.4000e-004	1.1000e-004	22.9021

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.69359	22.8554	5.4000e-004	1.1000e-004	22.9021
Total		**22.8554**	**5.4000e-004**	**1.1000e-004**	**22.9021**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.69359	22.8554	5.4000e-004	1.1000e-004	22.9021
Total		**22.8554**	**5.4000e-004**	**1.1000e-004**	**22.9021**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0548	3.2400e-003	0.0000	0.1358
Unmitigated	0.0548	3.2400e-003	0.0000	0.1358

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.27	0.0548	3.2400e-003	0.0000	0.1358
Total		**0.0548**	**3.2400e-003**	**0.0000**	**0.1358**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.27	0.0548	3.2400e-003	0.0000	0.1358
Total		**0.0548**	**3.2400e-003**	**0.0000**	**0.1358**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

ATTACHMENT F. AESTHETIC/VISUAL INFORMATION

This page intentionally left blank.

AECOM
300 S Grand Avenue,
Los Angeles, CA 90071
www.aecom.com

213.593.8100 tel
213.593.8053 fax

Memorandum

To	Ms. Heloise Froelich Environmental Management Group Bureau of Engineering, Department of Public Works	Pages 8
Subject	Bridge Housing Project on N. Beacon Street in San Pedro – Aesthetic/Visual Impacts Screening	
From	Shannon Ledet, Tisa Rodriguez, AECOM	
Date	November 9, 2018	

Introduction

This technical memorandum describes the potential for aesthetic and visual resources impacts associated with the Bridge Housing Project on N. Beacon Street in San Pedro (proposed project). The proposed project would be located within a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The Caltrans-owned project site is located at 515 North Beacon Street in the San Pedro community within Council District (CD) 15 in the City of Los Angeles. The addresses that comprise the entire project site include 407, 427, and 437 North Beacon Street. The associated Assessor Parcel No. (APN) is 7449-007-900. The parking lot is located just south of the Interstate 110 (I-110)/Harbor Boulevard interchange and the project site is comprised of a total of approximately 49,500 square feet. The project site is currently utilized as a Park and Ride Lot for Caltrans and is occasionally used as a construction equipment and trailer staging area by both Caltrans and Port of Los Angeles.

The City of Los Angeles would lease the project site from Caltrans for the proposed project. The proposed project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The proposed project would be a temporary facility (3 years) and would be operated by the City through Los Angeles Homeless Services Authority, or another City vendor. The project site and surrounding area are within a highly urbanized and densely populated area of Los Angeles near the Port of Los Angeles.

As part of the proposed project, all new nighttime lighting fixtures would be installed to direct the light onto doorways, ingress/egress areas, and other areas of the proposed project and away from sensitive areas. In addition, all new lighting would be designed and installed in compliance with the applicable Los Angeles Municipal Code (LAMC) lighting requirements. Additionally, new lighting installed as a part of the proposed project would be shielded as applicable to prevent glare.

Purpose

The purpose of this technical memorandum is to document the existing and proposed changes in aesthetics that would occur within the project site during implementation of the proposed project, and to evaluate the potential impacts to visual resources resulting from implementation of the proposed project. This is a screening-level analysis as requested by the City.

As presented in this technical memorandum, implementation of the proposed project is not anticipated to have significant aesthetic or visual resources effects. This assessment will help inform the California Environmental Quality Act (CEQA) analysis required for the proposed use.

Aesthetics and Visual Resources

Aesthetics, views, and nighttime illumination issues are related elements in the visual environment. Aesthetics generally refer to the identification of visual resources and the quality of what can be seen, or overall visual perception of the environment. Views refer to visual access and obstruction, or whether it is possible to see a focal point or panoramic view from an area. Nighttime illumination addresses the effects of a proposed project's exterior lighting upon adjoining light-sensitive uses.

Existing Visual Characteristics

The project site and surrounding area are located within an urbanized and densely populated area of the City of Los Angeles near the Port of Los Angeles. The project site is bordered to the north by the remainder of the Caltrans Park and Ride Lot, which is occasionally used for construction staging and equipment storage. To the east of the project site is North Beacon Street, beyond which are office buildings and a retail strip mall. The project site is bordered to the south by O'Farrell Street, beyond which is a commercial building and a single-family residential neighborhood. To the west of the project site is a partially vegetated slope up to a single-family residential neighborhood.

The project site and area does not contain any official City or State-designated scenic vistas that are identified within adopted planning or other documents. However, Harbor Boulevard is a City-designated scenic route, a portion of which is adjacent to the northern portion of the Park and Ride Lot. Harbor Boulevard is separated from views of the proposed project by mature trees along the project site perimeter, and the parking lot space (north of the project site) that would continue to be used as a park and ride lot under the proposed project.

Beacon Street, a frontage road located between the east side of the project site and Harbor Boulevard, provides a view of the current parking lot entrances on the western side, and the rear-facing entrances of several businesses on the eastern side. The current view of the project site from Beacon Street is of trees, chain link perimeter fencing, and the on-site parking lot.

There are public sidewalks located adjacent to the north and south ends of the park and ride lot that provide pedestrian access to the top of the slope to the west, ranging from an approximately 50-foot and 40-foot in height increase, respectively, affording interrupted east-facing views of the Port of Los Angeles and Vincent Thomas Bridge (State Route 47) from public areas and sidewalks along the residential properties. Private residential views of the Port and bridge are likely available as well. These views are dominated by existing overhead powerlines, roadways, shipping containers at commercial shipping locations, docked cruise ships, and mature trees along the slope. Private views of the project site from the residential properties above the slope are likely limited due to the 1.3 percent slope, as well as the setback of residential structures at the top of the slope, and the presence of existing tall trees and other vegetation on certain portions of the slope.

The project site is located in an urban area that currently has a high level of existing ambient lighting. The project site currently includes typical nighttime parking lot lighting on approximately 35-foot-tall light poles located along the eastern and western edges (adjacent to the slope) of the project site, as well as along the center line of the parking lot. The park and ride lot is open 24 hours per, day Monday through Sunday.[1] Due to its hours of operation, the park and ride lot is assumed to currently be lit from sunset to sunrise. Typical roadway lighting is also present along the west side of Beacon Street, directly adjacent and east of the project site. Views of the distant nighttime lighting at the Port of Los Angeles and along the Vincent Thomas Bridge may be available to the residents located at the top of the slope, west of the project site.

[1] Parkopedia. Available at: https://en.parkopedia.com/parking/lot/san_pedro_ii_caltrans_park_and_ride/90731/los_angeles/?arriving=201811090100&leaving=201811090300, accessed on November 8, 2018.

Viewers and Viewer Responses

Viewers in the immediate project area predominately consist of pedestrians that could be walking along O'Farrell Street, south of the project site, and residential uses located on the east side of Palos Verdes Street, west of the project site (at the top of the slope). These viewers have an easterly view from the backs of the residential properties and from sidewalks located along the south end of the project site, which are located approximately 40 to 50 feet above the adjacent project site. These viewers would be considered highly sensitive to changes in the visual environment.

There are a small number of businesses located east of the project site on the east side of Beacon Street, between Beacon Street and Harbor Boulevard. These viewers would be considered to have low sensitivity to changes in the visual environment, because the businesses all front east towards Harbor Boulevard, and have few western-facing views. In addition, patrons and employees of these businesses are not likely to have a high level of personal investment in changes to the visual environment.

Motorists traveling along a portion of Harbor Boulevard (northeast of the project site), along O'Farrell Street (south of the project site), and along Beacon Street (east of the project site) experience fleeting views of the project site. Views of the project site would be limited because of the presence of mature trees along the project site perimeter, and small arterial nature of these streets. Motorists would be low sensitivity viewers, because the duration of the viewer experience would be either fleeting or without expectation of a scenic view.

Regulatory Setting

Federal

There are no federal aesthetic regulations applicable to the proposed project.

State

California Coastal Act

The California Coastal Commission was established in 1972 with the four-year temporary mission to protect, conserve restore, and enhance the environment of the California coastline. The California Coastal Act of 1976 established the California Coastal Commission as a permanent commission dedicated to initial mission.

Related to aesthetics, Section 30251 of the California Coast Act in the Public Resources Code states that, "The scenic and visual qualities of coastal areas shall be considered and protected as a resource of public importance. Permitted development shall be sited and designed to protect views to and along the ocean and scenic coastal areas, to minimize the alteration of natural land forms, to be visually compatible with the character of surrounding areas, and, where feasible, to restore and enhance visual quality in visually degraded areas. New development in highly scenic areas such as those designated in the California Coastline Preservation and Recreation Plan prepared by the Department of Parks and Recreation and by local government shall be subordinate to the character of its setting." The project site is located outside of the Coastal Zone, including the San Pedro Local Coastal Program area; therefore a Coastal Permit is not required.

Scenic Highway Program

California's Scenic Highway Program was created by the Legislature in 1963. Its purpose is to protect and enhance the natural scenic beauty of California highways and adjacent corridors through special conservation treatment. State laws governing the Scenic Highway Program are found in the *Streets and Highways Code*, Sections 260 through 263. A highway may be designated scenic depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. The California Department of Transportation (Caltrans) defines a State Scenic Highway as any freeway, highway, road, or other public right-of-way that traverses an area of exceptional scenic quality. There are no State Scenic Highways located adjacent to the project site.

Local

City of Los Angeles Land Use Element of General Plan, San Pedro Community Plan

The City of Los Angeles General Plan, adopted in December 1996 and re-adopted in August 2001, addresses community development goals and policies relative to the distribution of land use, both public and private. The General Plan is a dynamic document consisting of several elements, including the Land Use Element. The Land Use Element consists of the plans for each of the City's 35 Community Plan Areas.

The San Pedro Community Plan Area is located on the Palos Verdes Peninsula at the southern end of City of Los Angeles. The Plan Area is bordered on the east by the Port of Los Angeles and Cabrillo Beach, and contains Point Fermin and White Point Nature Preserve at the southern end. The Plan Area is bordered on the west by Rancho Palos Verdes, and on the south by the Pacific Ocean.

The proposed project would be consistent with the applicable Policies LU18.1 and LU18.2 of the San Pedro Community Plan.[2]

- *LU18.1: Maintain Visual Resources.* Protect the scenic and visual qualities of San Pedro as a local and regional resource, with permitted development sited and designed to: protect public views to and along the ocean, harbor, and scenic coastal areas; minimize the alteration of natural landform; be visually compatible with the character of the surrounding area; and prevent the blockage of existing public views for designated public scenic view area and Scenic Highways.

- *LU18.2: Preserve access to coastal views.* Ensure public visual access to coastal views by means of appropriately located scenic overlooks, turnouts, view spots and other areas for limited vehicular parking, especially along designated Scenic Highways and Bikeways.

The proposed project would be consistent with the Plan. Policies LU18.1 and LU18.2 of the San Pedro Community Plan[3] call for the maintenance and preservation of coastal and harbor views. The proposed project would have no effect on coastal or harbor views for residents, motorists, or businesses. Therefore, it is in conformance with the Plan.

City of Los Angeles Mobility Element of the General Plan

The City of Los Angeles General Plan also includes the Mobility Element, which provides guidelines for and an inventory of scenic resources. The Mobility Element designates Harbor Boulevard, from the Vincent Thomas Bridge south to Crescent Avenue as a local scenic highway.[4] This includes the portion of Harbor Boulevard in the project vicinity.

City of Los Angeles Municipal Code

Outdoor lighting near residential areas within the City of Los Angeles is governed by Los Angeles Municipal Code (LAMC).[5] The LAMC prohibits the construction of exterior light sources emitting light above two foot candles (21.5 lux) or inducing glare from high places or insufficiently shielded light sources that are visible to residences. Temporary lighting from construction activities and light sources that are not visible to people or residences are exempt.

[2] Los Angeles Department of City Planning. San Pedro Community Plan.
[3] Los Angeles Department of City Planning. San Pedro Community Plan.
[4] Los Angeles Department of City Planning, Mobility Element of the General Plan, Appendix B: Inventory of Designated Scenic Highways and Guidelines.
[5] *Outdoor Lighting Affecting Residential Property*. Los Angeles County Municipal Code, Chapter 9, Article 3, Division 1, Section 93.0117. Retrieved from: http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode?f=templates$fn=default.htm$3.0$vid=amlegal:losangeles_ca_mc. Accessed on: November 1, 2018.

Thresholds

In accordance with Appendix G of the CEQA Guidelines, the proposed project would have a significant effect on aesthetics if it would:

- Have a substantial adverse effect on a scenic vista;
- Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway;
- Substantially degrade the existing visual character or quality of the site and its surroundings; and/or
- Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area.

Impact Analysis

Scenic Vistas

There are no designated scenic vistas located in the project area.[6] In the project vicinity, Harbor Boulevard is a City-designated local scenic highway; however, Harbor Boulevard is not located directly adjacent to the southern portion of the existing park and ride lot, which comprises the project site. There are only fleeting views of the project site from Harbor Boulevard. There are existing mature trees between Harbor Boulevard and the project parcel that interrupt views of the project site to the south. There are eastern-facing views of the Port of Los Angeles and Vincent Thomas Bridge particularly likely from the residential properties located at the top of the slope, just west of the project site. However, these views are interrupted by many power transmission lines and poles, mature trees and shrubs, and other intervening development. Because the quality of the current views is not unique or scenic, and no scenic vistas from the project area are designated in local planning documents, the implementation of the proposed project would not have a substantial adverse effect on a scenic vista. In addition, the proposed project construction and operations would both be temporary. As a result, no significant effects related to scenic vistas are anticipated.

Scenic Resources

There are no State Scenic Highways located adjacent to the project site or in the project vicinity. As previously mentioned, Harbor Boulevard is a City-designated local scenic highway. However, Harbor Boulevard is not located directly adjacent to the southern portion of the existing park and ride lot, which comprises the project site. Any trees removed as part of the project will be replaced after the temporary use is completed per the Recreation and Parks Department Tree Replacement Policy. Also, the proposed project would not impact any rock outcroppings or historic buildings. Because the proposed project would not be located along or adjacent to a State Scenic Highway, no significant effects to scenic resources are anticipated.

Visual Character

Construction activities associated with the proposed project would temporarily alter the visual character of the site. Construction features that would be located on the project site would include temporary fences, storage or staging areas, areas cleared for construction activities, various construction equipment and vehicles, and others. Based on field observations, the majority of the residents located at the top of the slope, west of the project site, would not have uninterrupted direct views of the proposed project construction, because the proposed project would be installed at the bottom of the approximately 40- to 50-foot-tall 1.3 percent slope incline. Some residential properties located at the top of the slope currently have east-facing views blocked or interrupted by existing matures trees and/or shrubs growing from a portion of the slope. Direct views from this height generally extend eastward beyond the project site towards the businesses on the east side of Beacon Street, and further east towards the Port and bridge. Any views of project construction that are possible from these residential

[6] Los Angeles Department of City Planning. San Pedro Community Plan. Retrieved from: http://cityplanning.lacity.org/complan/pdf/spdcptxt.pdf. Accessed on: October 24, 2018

properties would be temporary in nature. In addition, the existing project site is an active park and ride lot that is occasionally used as a construction equipment and trailer staging area. The construction activities associated with the proposed project would not represent a significant visual contrast from existing conditions. As a result, no significant effects to visual character during construction are anticipated.

The operation of the proposed project would temporarily alter the visual character of the site for a three-year period. The proposed project would include a new 10,800 sf tent structure up to approximately 20 feet in height, which would include approximately 102 beds. In addition, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community would also be provided. General open space and minor landscaping would be provided with the proposed project. Any trees that require removal would be replaced per the Recreation and Parks Department Tree Replacement Policy.

As previously mentioned, based on field observations, the majority of the residents located at the top of the slope, west of the project site, would not likely have uninterrupted direct views of the proposed project, because the proposed project would be installed at the bottom of the approximately 40- to 50-foot-tall 1.3 percent slope incline. Some residential properties located at the top of the slope currently have east-facing views blocked or interrupted by existing matures trees and/or shrubs growing from a portion of the slope. Direct views from this height generally extend eastward beyond the project site towards the businesses on the east side of Beacon Street, and further east towards the Port and bridge. Any views of the proposed project that are possible from these residential properties would be temporary in nature, over a three-year period. In addition, the existing project site is an active park and ride lot that is occasionally used as a construction equipment and trailer staging area. The proposed project would include only temporary structures, and in addition would include general open space and some minor landscaping that does not currently exist on the project site. This particular aspect of the proposed project can be viewed as a beneficial effect. Nonetheless, the three-year operations of the proposed project would not represent a significant visual contrast from existing conditions. As a result, no significant effects to visual character during operations are anticipated.

Light and Glare

A significant lighting impact would occur if the proposed project caused a substantial increase in ambient illumination levels beyond the property line or caused new lighting to spill-over onto light-sensitive land uses such as residences, some commercial and institutional uses that require minimum illumination for proper function, and natural areas. Outdoor lighting near residential areas within the City of Los Angeles is regulated by the LAMC.[7] The LAMC prohibits the construction of exterior light sources emitting light above 2 foot candles (21.5 lux) or inducing glare from high places or insufficiently shielded light sources that are visible to residences. Temporary lighting from construction activities and light sources that are not visible to people or residences are exempt.

The project site currently includes downward-directed outdoor lighting throughout the site that minimizes the potential for light pollution or glare while providing for safe motor vehicle parking. Approximately 35-foot-tall light poles are interspersed along the eastern and western edges (adjacent to the slope) of the project site, as well as along the center line of the parking lot. The park and ride lot is open 24 hours per, day Monday through Sunday, and is lit from sunset to sunrise. Typical roadway lighting is also present along the west side of Beacon Street, directly adjacent and east of the project site. Views of the distant nighttime lighting at the Port of Los Angeles and along the Vincent Thomas Bridge may be available to the residents located at the top of the slope, west of the project site. The current project site and surrounding area exhibit a high level of ambient lighting.

During the approximately 5-month construction period for the proposed project, construction activities would occur Monday through Friday, from 7:00 a.m. to 4:00 p.m. As such, nighttime construction lighting would not be required. No significant effects to light and glare during construction are anticipated.

[7] *Outdoor Lighting Affecting Residential Property*. Los Angeles County Municipal Code, Chapter 9, Article 3, Division 1, Section 93.0117. Retrieved from: http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode?f=templates$fn=default.htm$3.0$vid=amlegal:losangeles_ca_mc. Accessed on: November 1, 2018.

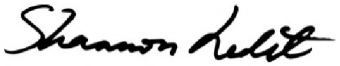
During project operations new security lighting around the temporary homeless facilities would be provided. It is assumed that some of the existing parking lot lighting on-site may remain with the proposed project. The new project lighting would be in operation at night to illuminate emergency ingress/egress. As shown on the attached *Figure 1 – Conceptual Lighting Plan*, new project lighting would include approximately 5, 12-foot-tall poled lighting consisting of an open small round post top style, as well as approximately 10 wall-mounted LED security lights that would be mounted onto the outside of the proposed tent.[8] In addition, other new light fixtures would be provided beneath the free-standing shade structure, as well as beneath the structure covering the dining area. All new nighttime lighting fixtures would be installed to direct the light onto doorways, ingress/egress areas, and other areas of the proposed project and away from sensitive areas. In addition, all new lighting would be designed and installed in compliance with the applicable LAMC lighting requirements. Additionally, new lighting installed as a part of the proposed project would be shielded as applicable to prevent glare.

The poled lighting that is proposed with the project is over 20 feet shorter in height as compared to the existing parking lot lighting currently on the project site. In addition, there is no new lighting proposed along the western border of the project site adjacent to the slope. As such, the proposed project would not result in a disruption of resident's distant view of the nighttime lighting of the Port and bridge. This nighttime view is not protected in any local planning document. New lighting would be shielded as applicable and would be designed to comply with the LAMC. As a result, no significant effects to light and glare during operations are anticipated.

Conclusions

No significant aesthetics or visual effects are anticipated related to scenic vistas, scenic resources, visual character, and light/glare.

Prepared By



Shannon Ledet
Senior Project Manager & Visual Resources Specialist

[8] Site Plan with Draft Conceptual Lighting Information and Layout, City of Los Angeles Bureau of Engineering, November 9, 2018.

References

Los Angeles Department of City Planning. San Pedro Community Plan. Retrieved from: http://cityplanning.lacity.org/complan/pdf/spdcptxt.pdf. Accessed on: October 24, 2018.

Los Angeles Department of City Planning, Mobility Element of the General Plan, Appendix B: Inventory of Designated Scenic Highways and Guidelines, available at: https://planning.lacity.org/documents/policy/mobilityplnmemo.pdf, accessed on November 9, 2018.

Outdoor Lighting Affecting Residential Property. Los Angeles County Municipal Code, Chapter 9, Article 3, Division 1, Section 93.0117. Retrieved from: http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode?f=templates$fn=default.htm$3.0$vid=amlegal:losangeles_ca_mc. Accessed on: November 1, 2018.

Parkopedia. Available at: https://en.parkopedia.com/parking/lot/san_pedro_ii_caltrans_park_and_ride/90731/los_angeles/?arriving=201811090100&leaving=201811090300, accessed on November 8, 2018.

Site Plan with Draft Conceptual Lighting Information and Layout, City of Los Angeles Bureau of Engineering, November 9, 2018.

FIGURE 1 – CONCEPTUAL LIGHTING PLAN



Source: City of Los Angeles, November 2018.

Figure 1 – Conceptual Lighting Plan

ATTACHMENT G. HAZARDOUS MATERIALS INFORMATION

This page intentionally left blank.

AECOM

Phase I Environmental Site Assessment of the Bridge Housing Project on N. Beacon Street, San Pedro, California (TOS EMGD-065)

City of Los Angeles Department of Public Works, Bureau of Engineering (BOE)

Project Number: 60589753

November 2018

Quality Information

Prepared by	Checked by
	
Jessica Himebauch Senior Geologist jessica.himebauch@aecom.com 213-219-3868	Kirsten Bradford Environmental Scientist kirsten.bradford@aecom.com 805-388-3775

Revision History

Revision	Revision date	Details	Authorized	Name	Position
01	November 2, 2018	Phase I ESA	November 8, 2018	Shannon Ledet	Project Manager

Distribution List

# Hard Copies	PDF Required	Association / Company Name
00	01	City of Los Angeles Bureau of Engineering (BOE)

Prepared for:

City of Los Angeles
Environmental Management Group
Bureau of Engineering, Department of Public Works
1149 South Broadway, Suite 600, Mail Stop 939
Los Angeles, California 90015-2213

Prepared by:

AECOM
300 South Grand Avenue, 8th Floor
Los Angeles, California 90071
USA
www.aecom.com

Copyright © 2018 by AECOM

All rights reserved. No part of this copyrighted work may be reproduced, distributed, or transmitted in any form or by any means without the prior written permission of AECOM.

Table of Contents

Executive Summary ES-1
1. Introduction 1-1
1.1 Purpose 1-1
1.2 Scope of Work 1-1
1.3 Study Limitations 1-1
1.4 Site-Related Limiting Conditions 1-3
1.5 Data Gaps/Data Failure 1-3
2. Site Description 2-1
2.1 Site Location and Parcel Description 2-1
2.2 Site Ownership 2-1
2.3 Site Visit 2-1
2.3.1 Site and Facility Description 2-1
2.3.2 Surrounding Properties 2-2
2.3.3 Petroleum Products and Hazardous Materials 2-2
2.3.4 Polychlorinated Biphenyls 2-3
2.3.5 Aboveground Storage Tanks 2-3
2.3.6 Underground Storage Tanks 2-3
2.3.7 Solid Waste 2-3
2.3.8 Hazardous Waste 2-3
2.3.9 Water 2-3
2.3.10 Wastewater 2-3
2.3.11 Stormwater 2-4
2.3.12 Heating and Cooling 2-4
3. Environmental Setting 3-1
3.1 Topography 3-1
3.2 Soil/Geology 3-1
3.3 Groundwater/Hydrology 3-1
4. Site and Area History 4-1
4.1 Subject Property 4-1
4.2 Offsite Properties 4-2
4.3 Previously Prepared Environmental Reports 4-2
5. Database and Records Review 5-1
5.1 User Provided Information 5-1
5.2 Title Records/Environmental Liens 5-1
5.3 Database Information 5-1
5.3.1 Subject Property 5-2
5.3.2 Surrounding Sites 5-3
5.4 Vapor Encroachment Screening 5-3
5.4.1 Subject Property 5-4
5.4.2 Offsite 5-4
5.5 Agency File Review 5-5
5.5.1 City and County 5-5
5.5.2 State 5-6
5.5.3 Federal 5-6
6. Findings and Opinions 6-1
6.1 Recognized Environmental Conditions 6-1

6.2 Controlled Recognized Environmental Conditions....6-1
6.3 Historical Recognized Environmental Conditions....6-1
6.4 De Minimis Conditions....6-1
7. Conclusions....7-1
8. Environmental Professional Statement....8-1
9. References....9-1
9.1 Persons Interviewed....9-1
9.2 Agencies Contacted....9-1
9.3 Documents Reviewed....9-2

List of Appendices

Appendix A Representative Site Photographs
Appendix B EDR Historical Sources
Appendix C EDR Environmental Lien and AUL Search Report and Chain of Title Report
Appendix D Environmental Database Report
Appendix E Qualifications of Environmental Professional

List of Figures

1. Site Location Map
2. Site Plan

Executive Summary

The City of Los Angeles Department of Public Works, Bureau of Engineering (BOE) contracted with AECOM Technical Services, Inc. (AECOM) to perform a Phase I Environmental Site Assessment (ESA) of the Bridge Housing Project located on 515 North Beacon Street in the San Pedro community of the City of Los Angeles, Los Angeles County, California (subject property). The addresses that comprise the entire project site include 407, 427, and 437 North Beacon Street. This Phase I ESA was performed in general conformance with the scope and limitations of ASTM Standard Practice Designation E 1527-13 for ESAs. Exceptions to, or deletions from, this practice are described in this report. In addition, this report was prepared in compliance with the California Department of Transportation (Caltrans) requirements and protocol for Phase I ESA's.

The City of Los Angeles would lease the project site from Caltrans for the proposed project. The proposed project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The proposed project would be a temporary facility (3 years) and would be operated by the City through Los Angeles Homeless Services Authority, or another City vendor. The project site and surrounding area are within a highly urbanized and densely populated area of Los Angeles near the Port of Los Angeles.

The site visit occurred on October 15, 2018. The subject property consists of the southern portion (Lots 9, 10, 11) of a parcel of land that is designated by the Los Angeles County Office of the Assessor as Assessor Parcel Number (APN) 7449-007-900 (overall parcel). The subject property portion of the overall parcel consists of approximately 49,500 square-feet. The overall parcel is currently used as an asphalt-paved California Department of Transportation (Caltrans) Park and Ride Lot surrounded by chain-link fencing. According to information provided by BOE, the Park and Ride Lot is sometimes also used for both Caltrans and Port of Los Angeles construction equipment and trailer staging. The northern portion of the overall parcel was being used for construction staging at the time of the site reconnaissance. A fenced-off dirt and landscaped area was observed in the southern portion of the subject property, along O'Farrell Street. A portable toilet, an electrical panel, and an electric construction sign were observed in this area. No other construction equipment and/or trailer staging was observed on the subject property at the time of AECOM's site visit. During the site visit, no visual evidence of aboveground storage tanks (ASTs), underground storage tanks (USTs) (e.g., vent pipes, fill ports), water supply wells, monitoring wells, dry wells, clarifiers, septic tanks, or leach fields was observed on the subject property.

The subject property and surrounding area are located within an urbanized and densely populated area of the City of Los Angeles near the Port of Los Angeles. The subject property is bordered to the north by the remainder of the Caltrans Park and Ride Lot, which was being used for construction staging and equipment storage at the time of the site reconnaissance. The subject property is bordered to the east by North Beacon Street, beyond which are office buildings and a retail strip mall. The subject property is bordered to the south by O'Farrell Street, beyond which is Marine Hardware and a single-family residential neighborhood. The subject property is bordered to the west by a landscaped slope up to a single-family residential neighborhood. No gasoline service stations or dry cleaners were observed in the immediate vicinity (i.e., 500 feet) of the subject property. Based on AECOM's site reconnaissance of the surrounding neighborhood, no off-site sources of environmental concern were identified.

AECOM's historical research indicates that the subject property was undeveloped land in the 1920s to 1950s. By the late 1950s, the subject property had been developed for use as a lumber storage yard, which operated on the overall parcel until the early 1990s. The subject property portion of the lumber yard was occupied by lumber storage yard areas and a one-story triangular 'building material' building with an associated small rectangular structure (use not specified). In 1959, a 1,000-gallon gasoline underground storage tank (UST) was installed at the lumber yard, which was located in the northwestern portion of the subject property. The former 1,000-gallon gasoline UST was removed from the subject property in 1991. No evidence of a historical release from the tank was identified during the tank's

removal or based on analytical confirmation soil sampling results (discussed further below). During the lumber company occupancy, the remainder of the overall parcel included lumber storage areas, an office, tool shed, sawdust bin, and a mill with an overhead conveyor associated with the lumber yard. In the mid-1960s, a small two-story office building was constructed in the southernmost portion of the subject property and this portion of the subject property was occupied by a driving school from the late 1960s until the early 1990s. By 1994, the subject property and overall parcel had been re-developed with the present-day Caltrans Park and Ride Lot. No historical onsite or offsite sources of environmental concern were identified during this assessment.

The subject property was identified in the environmental database search report obtained for this project in several compliance-related database associated with permitted stormwater discharges and hazardous waste generation. Based on the compliance-related nature of the database listings, they are not considered to represent a recognized environmental concern (REC) in connection with the subject property, in AECOM's opinion. The subject property was also identified in several UST databases related to the former 1,000-gallon gasoline UST operated by the historical lumber company. Based on documentation obtained from the City of Los Angeles Fire Department (LAFD), the former 1,000-gallon gasoline UST was removed from the subject property in 1991. At the time of removal, one soil sample was collected approximately 2 feet below the tank invert and two soil samples were collected from the tank excavation soils piles. The soil samples were analyzed for total petroleum hydrocarbons (TPH) using EPA Method 8015M; benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8020; and total lead using EPA Method 7420. TPH and BTEX were not detected in the soil samples analyzed. Lead was detected at a maximum concentration of 6.0 milligrams per kilogram (mg/kg), which was below regulatory action levels. Based on removal of the UST in 1991 and the soil analytical results, which indicated that there was no release from the tank, the former 1,000-gallon gasoline UST located at the subject property does not represent a REC in connection with the subject property, in AECOM's opinion.

A number of surrounding sites were identified in the environmental database search report. The majority of these sites were listed in non-contamination-related databases. Based on AECOM's review and analysis of the database listings, none of the surrounding sites are expected to present a REC to the subject property, based on their distance (generally greater than 500 feet), regulatory status (i.e., regulatory closure, no violations found), media impacted (i.e., soil only), and/or topographical position relative to the subject property (i.e., down-gradient or cross-gradient).

Based on the above-described activities, no RECs, controlled RECs (CRECs), historical RECs (HRECs) or de minimis conditions (DMCs) were identified in connection with the subject property.

1. Introduction

1.1 Purpose

This Phase I Environmental Site Assessment (ESA) was performed pursuant to AECOM Technical Services, Inc. (AECOM's) written proposal, dated September 27, 2018. This assessment was performed in advance of the change in use of the subject property. The purpose of this Phase I ESA is to provide the client with information for use in evaluating recognized environmental conditions (RECs) associated with the subject property.

Per the ASTM standard, potential findings can include RECs, including historical RECs (HRECs), controlled RECs (CRECs), and de minimis conditions (DMCs). A REC is defined by the ASTM standard as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term includes hazardous substances or petroleum products even under conditions in compliance with laws. HRECs are a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. CRECs are a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. DMCs are those situations that do not present a material risk of harm to public health or the environment and generally would not be subject to enforcement action if brought to the attention of the regulating authority.

This assessment is based on a review of existing conditions, reported pre-existing conditions, and observed operations at the subject property and adjacent properties.

1.2 Scope of Work

The Phase I ESA included a site visit, regulatory research, historical review, and a review of an environmental database analysis of the subject property. In conducting the Phase I ESA, AECOM assessed the subject property for visible signs of possible contamination, researched public records for the subject property and adjacent properties (as applicable), and conducted interviews with persons knowledgeable about the subject property.

This project was performed in general accordance with ASTM Standard Practice Designation E 1527-13 and AECOM's proposal, dated September 27, 2018. Conclusions reached in this report are based upon the assessment performed and are subject to limitations set forth in Sections 1.3, 1.4, and 1.5 below. In addition, this report was prepared in compliance with the California Department of Transportation (Caltrans) requirements and protocol for Phase I ESA's.

1.3 Study Limitations

This report describes the results of AECOM's Phase I ESA to identify the presence of conditions materially affecting the subject facility and/or property within the limits of the established scope of work as described in our proposal.

As with any due diligence assessment, there is a certain degree of dependence upon oral information provided by facility or site representatives, which is not readily verifiable through visual observations or supported by any available written documentation. AECOM shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings and opinions expressed in this report are subject to certain conditions and assumptions, which are noted in the report. Any party reviewing the findings of the report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject property. The statements, findings and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject property.

As specified in the ASTM standard (referred to below as "this practice"), it is incumbent that the client and any other parties who review and rely upon this report understand the following inherent conditions surrounding any Phase I ESA:

- Uncertainty Not Eliminated - No ESA can wholly eliminate uncertainty regarding the potential for REC in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for REC in connection with a property, and this practice recognizes reasonable limits of time and costs. (Section 4.5.1 of the ASTM Standard)
- Not Exhaustive - "All appropriate inquiry" does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2 of the ASTM Standard)
- Comparison with Subsequent Inquiry - ESAs must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors. (Section 4.5.4 of the ASTM Standard)

A similar set of inherent limitations exist in cases where the Phase I ESA included a screening-level assessment of vapor migration or vapor encroachment; such an assessment is a required as part of a Phase I ESA when the ASTM E 1527-13 standard is employed. According to the ASTM E 2600-15 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, the following limitations apply:

- Uncertainty Not Eliminated in Screening - No vapor encroachment screen (VES) can wholly eliminate uncertainty regarding the identifications of vapor encroachment conditions (VECs) in connection with the target property. (Section 4.5.1)
- Not Exhaustive - The guide is not meant to be an exhaustive screening. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in

fact, may be a material detriment to the orderly completion of real estate transactions. One of the purposes of this guide is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing a VES and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2)

- Comparison with Subsequent Investigations - It should not be concluded or assumed that an investigation was not adequate because the investigation did not identify any VECs in connection with a property. The VES must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent VESs should not be considered valid bases to judge the appropriateness of any prior screening if based on hindsight, new information, use of developing technology or analytical techniques, or similar factors. (Section 4.5.4)

This report was prepared pursuant to an agreement between City of Los Angeles Department of Public Works, Bureau of Engineering (BOE) (Client) and AECOM and is for the exclusive use of the Client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM-generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions, which would render the report inaccurate. Reliance on this report after the date of issuance as an accurate representation of current site conditions shall be at the user's sole risk.

1.4 Site-Related Limiting Conditions

The following site-specific limitations were encountered during the course of this assessment:

- The subject property is occupied by a Park and Ride Lot. Vehicles were parked throughout the asphalt-paved parking lot, and therefore, it was not feasible to evaluate the entire ground surface. Based on the use of the subject property (parking lot), this particular site-related limiting condition is not expected to have a significant limitation to this assessment.

1.5 Data Gaps/Data Failure

The following data failure/data gaps were encountered during the course of this assessment:

- Per ASTM, past owners, operators, and occupants of the subject property who are likely to have material information regarding the potential for contamination at the subject property shall be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. AECOM was unable to interview past owners and/or operators at the subject property. However, based upon historical data collected from other sources, this data gap is not expected to impact the results of this assessment.

2. Site Description

2.1 Site Location and Parcel Description

The subject property is situated on the northwest corner of the intersection of O'Farrell and Beacon Streets, approximately one-block west of N. Harbor Boulevard and approximately 1,000-feet south of State Route 47 (Seaside Freeway) in the San Pedro community of the City of Los Angeles, Los Angeles County, California. The subject property is accessed from O'Farrell Street (southern property boundary) and N. Beacon Street (eastern property boundary).

The subject property consists of the southern portion (Lots 9, 10, 11) of a parcel of land that is designated by the Los Angeles County Office of the Assessor as Assessor Parcel Number (APN) 7449-007-900 (overall parcel). The address associated with the overall parcel is 515 N. Beacon Street and the addresses associated with the subject property include 401, 407, 421, and 437 N. Beacon Street and 100, 110, and 114 O'Farrell Street. The approximate location of the subject property is illustrated on Figure 1 - Site Location Map.

2.2 Site Ownership

According to the Los Angeles County Office of the Assessor and confirmed by the Grant Deed included in the Environmental Data Resources, Inc. (EDR) Environmental Lien and Activity and Use Limitation (AUL) Search report, the overall parcel is owned by the State of California.

2.3 Site Visit

Ms. Amanda Mattes with AECOM's Orange, California office visited the subject property on October 15, 2018. During the site visit, Ms. Mattes was unaccompanied and therefore, no interviews were performed at that time of the site visit. Site-related limiting conditions encountered during this assessment were previously summarized in Section 1.4.

The site visit methodology consisted of walking over accessible areas of the subject property, the perimeter, and the portions of the surrounding area. The following sections summarize the results of the site visit.

2.3.1 Site and Facility Description

The subject property is comprised of three lots located in the southern portion of the overall parcel. The subject property portion of the overall parcel consists of approximately 49,500 square-feet. The overall parcel is currently used as an asphalt-paved California Department of Transportation (Caltrans) Park and Ride Lot surrounded by chain-link fencing. According to information provided by BOE, the Park and Ride Lot is sometimes also used for both Caltrans and Port of Los Angeles construction equipment and trailer staging. The northern portion of the overall parcel was being used for construction staging at the time of the site reconnaissance. A fenced-off dirt and landscaped area was observed in the southern portion of the subject property, along O'Farrell Street. A portable toilet, an electrical panel, and an electric construction sign were observed in this area. No other construction equipment and/or trailer staging was observed on the subject property at the time of AECOM's site visit.

BOE is proposing to construct a temporary Bridge Housing homeless shelter for no more than three years on the subject property, which would be operated by the City through the Los Angeles Homeless Services Authority or another City vendor. The project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community.

During the site visit, no visual evidence of aboveground storage tanks (ASTs), underground storage tanks (USTs) (e.g., vent pipes, fill ports), water supply wells, monitoring wells, dry wells, clarifiers, septic tanks, or leach fields was observed on the subject property. No visual evidence of discolored soil, water, or unusual vegetative conditions or odors was observed during the site visit. The general layout of the subject property is illustrated on Figure 2 - Site Plan and Representative Site Photographs are provided in Appendix A.

2.3.2 Surrounding Properties

The subject property and surrounding area are located within an urbanized and densely populated area of the City of Los Angeles near the Port of Los Angeles. The subject property is located in Council District 15 (CD-15), within the San Pedro Community Plan Area of the City of Los Angeles. The subject property is zoned C2-2D-CPIO with a Community Commercial land use designation. Surrounding parcels to the north, south, and east are also zoned C2-2D-CPIO with a Community Commercial land use designation. The surrounding parcels to the west are zoned RD2-1XL-CPIO with a Low Medium II Residential land use designation.

The subject property is bordered to the north by the remainder of the Caltrans Park and Ride Lot, which was being used for construction staging and equipment storage at the time of the site visit. The subject property is bordered to the east by North Beacon Street, beyond which are Cole Vocational Services of San Pedro (407 N. Harbor Boulevard), a multi-tenant office building (411 N. Harbor Boulevard), and a retail strip mall (435 N. Harbor Boulevard). The subject property is bordered to the south by O'Farrell Street, beyond which is Marine Hardware (345 N. Beacon Street) and a single-family residential neighborhood. The subject property is bordered to the west by a landscaped slope up to a single-family residential neighborhood.

AECOM did not observe gasoline service stations or dry cleaners in the immediate vicinity (i.e., 500 feet) of the subject property. In addition, no sensitive receptors (i.e., day care centers, schools, hospitals, surface water bodies) are located adjacent to the subject property. Based on AECOM's site reconnaissance of the surrounding neighborhood, no offsite sources of environmental concern were identified.

2.3.3 Petroleum Products and Hazardous Materials

No hazardous materials and/or petroleum products were observed at the subject property during the site visit. No staining or visual evidence of a hazardous materials release was observed at the subject property during the site visit.

2.3.4 Polychlorinated Biphenyls

Polychlorinated biphenyls (PCB)-containing dielectric fluids have been widely used as coolants and lubricants in transformers, capacitors, and other electric equipment due to their insulating and nonflammable properties. Based on the construction date of the Park and Ride Lot (early-1990s), PCBs are unlikely to be present on-site.

An electrical panel was observed in southeast corner of the subject property. Los Angeles Department of Water and Power (LADWP) provides electricity to the subject property area. No other electrical equipment or hydraulic equipment (i.e., transformers, trash compactors, elevators, or lifts) were observed on the subject property. Pole-mounted transformers were observed along North Beacon Street, which are off-site and owned and maintained by LADWP. No staining or other concerns were noted associated with the adjacent pole-mounted transformers.

2.3.5 Aboveground Storage Tanks

No ASTs were observed at the subject property during the site visit. In addition, no ASTs were listed in the site-specific environmental database report reviewed by AECOM, or otherwise identified during AECOM's review of historical aerial photographs.

2.3.6 Underground Storage Tanks

No visual evidence of USTs (e.g., vent pipes, fill ports) was observed at the subject property during the site visit. A former 1,000-gallon gasoline UST located at the subject property is discussed in Section 5.3.1.

2.3.7 Solid Waste

No solid wastes are generated by site activities. No evidence of inappropriate disposal activities and no significant staining were observed at the subject property.

2.3.8 Hazardous Waste

No evidence of hazardous waste generation was observed at the subject property. In addition, the subject property was not listed as a generator of hazardous waste in the site-specific environmental database report.

2.3.9 Water

The subject property is not connected to the municipal potable water supply system. LADWP provides potable water to the surrounding area. No water supply wells were observed at the subject property.

2.3.10 Wastewater

The subject property is not connected to the municipal sanitary sewer system. No wastewater discharges are generated at the subject property. A portable toilet was observed in the fenced-off dirt and landscaped area in the southern portion of the subject property, along O'Farrell Street.

2.3.11 Stormwater

The subject property is connected to the municipal stormwater system. Stormwater which does not infiltrate the unpaved surfaces is expected to flow towards a storm drain located in the southeastern corner of the subject property, which discharges into storm drains located along N. Beacon Street. The storm drain opening appeared to be covered with a tarp and sand bags at the time of the site visit. No staining or other concerns were noted in the area of the storm drain.

2.3.12 Heating and Cooling

No buildings or other permanent structures are located on the subject property. LADWP provides electricity to the subject property area and Southern California Gas Company provides natural gas service to the subject property area.

3. Environmental Setting

3.1 Topography

According to the United States Geological Survey (USGS) topographic map of the subject property area (San Pedro quadrangle) and a review of the Google Earth application, the elevation of the subject property is approximately 20 feet above mean sea level (msl). Based on a review of these technical resources and AECOM's site visit, the subject property appears to be generally flat with a slight downward slope toward the east-northeast.

3.2 Soil/Geology

Site-specific geologic information was not identified during the course of this assessment. According to the environmental database report, the subject property is underlain with Urban Land, which consists of areas where 75 percent or more of the land is covered with impervious surfaces or structures, such as office buildings, hotels, multiple-unit dwellings, shopping centers, streets, sidewalks, and parking areas. The soils in Urban Land areas have been altered to the extent that they can no longer be separated into individual soil units. The Urban Land unit includes small areas of soils that have been covered by fill material.

According to geologic information provided in the environmental database report, the bedrock geology of the subject property is of the Cenozoic era, Quaternary system, Quaternary series and consists of a stratified sequence.

3.3 Groundwater/Hydrology

Site-specific hydrologic information was not identified during the course of this assessment. According to information reviewed on the online California State Water Resources Control Board (SWRCB) GeoTracker, Groundwater Monitoring and Assessment Program (GAMA), Groundwater Information System database, groundwater was measured in June 2018 at depths between approximately 1.5 and 12 feet below ground surface (bgs) at a site located approximately 1,000 feet to the north of the subject property and flowed to the northwest. Based on the surface topography and proximity to the Port of Los Angeles, the groundwater flow direction at the subject property is expected to be toward the east-northeast, but is influenced by tidal fluctuations. It should be noted that the actual depth and flow direction of groundwater beneath the subject property cannot be determined without site-specific groundwater monitoring well data.

4. Site and Area History

Historical information for the subject property and surrounding properties is based on AECOM's review and analysis of the following historical sources:

- Sanborn Fire Insurance Maps dated 1921, 1950, and 1969;
- Aerial photographs dated 1923, 1928, 1947, 1952, 1963, 1972, 1977, 1981, 1989, 1994, 2002, 2005, 2009, 2012, and 2016;
- Topographic maps dated 1896, 1923, 1925, 1944, 1946/1948, 1951, 1964, 1972, 1981, and 2012;
- City directories for the years 1920 through 2014 at approximate 5-year intervals; and
- Building Department records reviewed at the City of Los Angeles Department of Building and Safety dated 1958 to 2018.

Based on the historical review, the historical addresses associated with the subject property include 401, 407, 421, 437, and 515 North Beacon Street and 100, 110, and 114 O'Farrell Street. The EDR historical sources referenced-above are included in Appendix B. Supplemental information was supplied through interviews with BOE and Caltrans representatives.

4.1 Subject Property

Historical research indicates that the subject property was undeveloped land in the 1920s to 1950s. By the late 1950s, the subject property had been developed for use as a lumber storage yard operated by E.K. Wood Lumber & Supply Co. at 515 N. Beacon Street, which operated on the overall parcel. The subject property portion of the lumber yard was occupied by lumber storage yard areas and a one-story triangular 'building material' building with an associated small rectangular structure (use not specified). In 1959, a 1,000-gallon gasoline UST was installed at the lumber yard, which was located in the northwestern portion of the subject property. The former 1,000-gallon gasoline UST was removed from the subject property in 1991. No evidence of a historical release from the tank was identified during the tank's removal or based on analytical confirmation soil sampling results (discussed further in Section 5.3). During the lumber company occupancy, the remainder of the overall parcel included lumber storage areas, an office, tool shed, sawdust bin, and a mill with an overhead conveyor associated with the lumber yard. In 1967, a small two-story office building at 110 O'Farrell Street was constructed in the southernmost portion of the subject property and this portion of the subject property was occupied by a driving school from the late 1960s until the early 1990s. A lumber company operated on the overall parcel until the late-1980s to early 1990s (first E.K. Wood Lumber & Supply Co. until 1979 and then Louisiana-Pacific Corporation). By 1994, the subject property and overall parcel had been re-developed with the present-day Park and Ride Lot. According to subject property deed information provided within the EDR Environmental Lien and AUL Search report ordered as a part of this assessment, in 1993, title to the overall parcel was received from BSP Development Corp., a California corporation upon being vested by the current owner, the State of California.

The current and historical subject property addresses were identified in the historical city directories search by EDR. The address 515 N. Beacon Street was identified as E. K. Wood Lumber & Supply Co. in 1960, 1964, and 1976 and then as Louisiana-Pacific Corporation in 1980, 1981, 1985, and 1986. The address 110 O'Farrell Street was identified as E-Z Driving School in 1970, 1975, 1980,

1985, and 1990. No other historical city directory listings were identified associated with the subject property addresses in the historical city directory report obtained from EDR.

AECOM reviewed building department records available at the City of Los Angeles Department of Building and Safety. In 1959, building permits were issued for new construction for lumber storage and associated buildings to E. K. Wood Lumber & Supply Co. at 515 N. Beacon Street. In 1960, certificates of occupancy were issued to E. K. Wood Lumber & Supply Co. for one-story mill building with mezzanine and a one-story office/storage building at 515 N. Beacon Street. A building permit and certificate of occupancy were issued to John Goerlitz for a two-story, 12-foot by 23-foot office building at 110 O'Farrell Street in 1967. This portion of the subject property was occupied by a driving school from the late 1960s until the early 1990s. In 1991, building demolition permits were issued for the former lumber company buildings and for the removal of the former 1,000-gallon gasoline UST that was located in the northwestern portion of the subject property (discussed further in Section 5.3). In 1994, a grading certificate was issued for the current Park and Ride Lot. Building permits reviewed by EDR did not provide supplemental information for the subject property.

No historical onsite sources of environmental concern were identified during this assessment.

4.2 Offsite Properties

Historical research indicates that the surrounding area was generally occupied by residential structures in the 1920s to 1950s with some commercial development across N. Beacon Street including a paint store (508 N. Beacon Street) and an oil and gasoline station (525 N. Harbor Boulevard), and across O'Farrell Street, including the present-day marine supplies warehouse (311 N. Beacon Street) and a battery manufacturing facility (327 N. Harbor Boulevard). By the 1960s, the former gas and oil station to the northeast had been demolished, the present-day office building (407 N. Harbor Boulevard) adjacent to the east, across N. Beacon Street, had been constructed, and the former residences across N. Beacon Street had been demolished and this area was used as a lumber yard. During this time, State Route 47 was under construction to the north of the overall parcel, which appeared to be completed by the early-1970s. By 1989, the adjacent present-day strip mall (435 N. Harbor Boulevard) had been constructed across N. Beacon Street. By, 1994, the adjacent present-day office building (411 N. Harbor Boulevard) had been constructed across N. Beacon Street. By 2009, the surrounding area appeared as at present-day. No historical offsite sources of environmental concern were identified during this assessment.

4.3 Previously Prepared Environmental Reports

The following previously prepared environmental reports/memorandums were provided for review during this assessment.

- Memorandum, Hazardous Waste Site Assessment for Harbor/Beacon Park & Ride Facility (515 N. Beacon Street, San Pedro, CA), prepared by the State of California Department of Transportation (Caltrans) Office of Environmental Engineering and Corridor Studies (OEECS)-Hazardous Waste Branch, South Region, MS-16, dated December 6, 2011.
- Memorandum, PS&E Hazardous Waste Assessment, prepared by the State of California Department of Transportation Office of Environmental Engineering (OEE)-Hazardous Waste Branch, South Region, Division of Environmental Planning, dated July 27, 2017.

These memorandums were prepared for the proposed slope repair/restoration project at the Park and Ride Lot along the western parcel boundary of the overall parcel. This project proposed to

repair, restore, and stabilize the eroded slope, which was damaged during heavy winter storms in January to March 2010 jeopardizing the existing homes along the top of the slope (on Palos Verdes Street).

In 2011, in order to access the existing soil conditions in the slope area to determine whether the excess excavated soil would require special handling and/or waste management, Caltrans OEECS performed a soil screening investigation utilizing the XRF analyzer to evaluate heavy metal concentrations in soil. Four (4) surface soil samples were collected at random locations within the soil disturbance limits. These soil samples were collected, preserved, and scanned with the XRF Analyzer for the metal content level (the metals scanned were: Lead (Pb), Molybdenum (Mo), Arsenic (As), Zirconium (Zr), Strontium (Sr), Uranium (U), Rubidium (Rb), Thorium (Th), Selenium (Se), Mercury (Hg), Zinc (Zn), Tungsten (W), Copper (Cu), Nickel (Ni), Cobalt (Co), Iron (Fe), and Manganese (Mn)). The results reportedly showed low concentrations of the detected metals and therefore, it was concluded that the excavated excess soil generated could be classified as non-hazardous and did not require special handling and/or waste management and could be disposed offsite without restriction.

In 2013, the slope repair/stabilization project was initiated by Caltrans. During construction and through field inspection & testing, Caltrans Soils Engineer concluded that the existing portion of the top slope fill material was deemed unsuitable and unacceptable for soil nail anchoring to stabilize the eroded slope. Subsequently, the construction work was put on-hold to accommodate new slope stabilization design. The new design included a new soldier pile wall design for slope stabilization to prevent slope erosion and protect existing homes on top of slope from potential sliding. This project would not generate excess soil that required offsite disposal and all work was to be constructed within existing Caltrans right of way.

In October 2011, OEE staff performed soil sample collection and analysis along the slope area for the project. Four (4) surface soil samples were collected at random locations within the proposed slope disturbed area. These soil samples were collected, preparation, and scanned with the XRF Analyzer for heavy metals (the metals scanned were Pb, As, Cu, Ni, and Zn). Lead was detected in all four samples at levels ranging from 11 to 61 milligrams per kilogram (mg/kg). It was concluded that these concentrations did not classify the soil as a hazardous waste and therefore, it did not require disposal at a permitted landfill or solid waste disposal facility. However, the presence of lead in soil exposes workers to health hazards that must be addressed in the General Contractor (GC) Lead Compliance Plan per 8CCR, section 1532.1 “Lead”, and Cal-OSHA Construction Safety Order.

Arsenic was detected in two of four samples at concentrations of 9.3 and 9.4 mg/kg, which was above the USEPA Regional Screening Level (RSL) of 3 mg/kg. However, arsenic is a naturally occurring element in California and the concentrations detected were further compared to the regional background concentrations. The March 2008 California Department of Toxic Substances Control (DTSC) publication *Determination of a Southern California Regional Background Arsenic in Soil* establishes a regional background for Arsenic within Southern California, including Los Angeles County, using naturally occurring and anthropologic concentrations of arsenic, which states that the upper-bound background concentration for arsenic within Los Angeles County is 12 mg/kg. Based on these results, it was concluded that soil at the project site was classified as non-hazardous and did not require disposal at a permitted landfill or solid waste disposal facility.

Based on these soil results obtained from Caltrans, it is AECOM’s opinion that excavated soils (if any) at the subject property for the proposed bridge housing project can be classified as non-hazardous and will not require special handling and/or waste management.

5. Database and Records Review

5.1 User Provided Information

Ms. Heloise Froelich with BOE reported that they did not have information to complete the ASTM 1527-13 User Questionnaire and forwarded it to Caltrans (property owner) representatives. On October 30, 2018, Mr. Khan Hossain with Caltrans provided AECOM with answers to an ASTM 1527-13 User Questionnaire which summarized their knowledge of title records, environmental liens, specialized knowledge, and/or real estate value reduction issues associated with the subject property. Mr. Hossain did not have knowledge regarding environmental liens or activity use limitations having been placed on the subject property. Mr. Hossain stated that he did not have specialized knowledge or experience of any spills/contamination or cleanups that is material to RECs in connection with the subject property and that a 2011 investigation completed by the Caltrans Office of Environmental Engineering did not find "contamination" at the subject property. A copy of the 2011 investigation report was not provided to AECOM for review. Mr. Hossain reported that at the time of acquisition, the overall parcel was mostly paved for use as a parking lot and had one small 900 square foot structure on-site; all improvements were demolished for construction of the Park and Ride Lot.

5.2 Title Records/Environmental Liens

Per the agreed upon scope of work, a Chain of Title report for the overall parcel was ordered from EDR as part of this assessment. The EDR Chain of Title report indicated that the overall parcel was owned by E.K. Wood Lumber Supply Co. title received from Jessie L. Swartz, Charles L. Eginton and Clara Etta Eginton in 1958; by Jessie Eginton and Clara Etta Eginton title received from Charles L. Eginton and Jessie Swartz, co-executors of the Lottie Eginton Estate in 1958; by Louisiana-Pacific Corp. title received from Lone Star Building Centers formerly known as E.K. Wood Lumber Supply Co. in 1979; by BSP Development Corp. in 1986; by Cecil R. Owens title received from Le Jade Owens in 1987; by Cecil R. Owens title received from BSP Development Corp. in 1987 (Quit Claim Deed); by George Tumanjan title received from Irene Tumanjan in 1987; by Michael Tumanjan title received from Gail Tumanjan in 1987; by George Tumanjan title received from Cecil R. Owens in 1987; by BSP Development title received from George Tumanjan and Michael Tumanjan in 1991; and by State of California (current owner) in 1993. The EDR Chain of Title report is included in Appendix C.

AECOM also obtained an Environmental Lien and AUL Search report from EDR as a part of this assessment. According to the EDR Environmental Lien and AUL search Report, no environmental liens or other AULs are recorded on the overall parcel. The EDR Environmental Lien and AUL search Report is included in Appendix C.

5.3 Database Information

In accordance with the scope of work and ASTM Standard E 1527-13, a search of various governmental databases was conducted by EDR. The site-specific environmental database report was reviewed to evaluate if soil and or groundwater from an onsite and/or offsite sources of concern has the potential to impact the subject property. The database abbreviations are provided in the site-specific environmental database report.

The database report includes various reports detailing database information for each of the sites identified/geocoded within the specified radius. Additional sites were identified within the database report; however, EDR was not able to map them to specific locations due to insufficient/ contradicting address information. These sites were included in the database report as "orphan" sites. Based upon AECOM's review, there does not appear to be any significant concerns associated with any of the orphan sites. A summary of AECOM's review and analysis of the site-specific environmental database report is presented below. A copy of the database report is provided in Appendix D.

Based on AECOM's research, the subject property is not located on or within a 1-mile radius of tribal lands.

5.3.1 Subject Property

The following listings were identified associated with the subject property in the site-specific environmental database report reviewed for this assessment:

- John S. Gibson Blvd I-110 Freeway Access at 515 N. Beacon Street (address for the overall parcel) was identified in the National Pollutant Discharge Elimination System (NPDES) and California Integrated Water Quality System (CIWQS) databases. These database listings are related to permitted stormwater discharges and the facility status is reported as terminated. These database listings are compliance-related, and therefore, are not considered to represent a REC to the subject property, in AECOM's opinion.
- Louisiana-Pacific Corp. Yard at 515 N. Beacon Street (address for the overall parcel) was identified in the Statewide Environmental Evaluation and Planning System (SWEEPS) UST, State Facility Inventory Database (CA FID UST), Historical Hazardous Substance Storage Container Database (HIST UST), and Facility and Manifest Data (HAZNET) databases. The data in the HAZNET database is extracted from the copies of hazardous waste manifests received each year by the DTSC. The HAZNET database reports that this former site occupant generated state-regulated wastes in 1993 including asbestos-containing waste that was manifested for offsite disposal. The SWEEPS UST database was formerly updated and maintained by a company contracted by the SWRCB in the early 1990s; this listing is no longer updated or maintained. The CA FID UST database contains a historical listing of active and inactive underground storage tank locations from the SWRCB and is no longer updated or maintained. The HIST UST database is a historical listing of UST sites. These historical UST databases are no longer updated or maintained, and report that one former 1,000-gallon unleaded gasoline UST that was installed in 1959 was located on the subject property. According to City of Los Angeles building permits and fire department records, the former UST was located in the northwestern portion of the subject property. Based on documentation obtained from the City of Los Angeles Fire Department (LAFD), the former 1,000-gallon gasoline UST was removed from the subject property in 1991. At the time of removal, one soil sample was collected approximately 2-feet below the tank invert and two soil samples were collected from the soils piles. The soil samples were analyzed for total petroleum hydrocarbons (TPH) using EPA Method 8015M; benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8020; and total lead using EPA Method 7420. TPH and BTEX were not detected in the soil samples analyzed. Lead was detected at a maximum concentration of 6.0 milligrams per kilogram (mg/kg), which was below regulatory action levels. Based on removal of the UST in 1991 and the soil analytical results, which indicated that there was no

release from the tank, the former 1,000-gallon gasoline UST does not represent a REC in connection with the subject property, in AECOM's opinion.

- Griffith Company at 515 N. Beacon Street (address for the overall parcel) was identified in the HAZNET database for generated state-regulated wastes in 2012 that were manifested for offsite disposal. This database is compliance-related and not indicative of a release. Based on this information, this database listing is not considered to represent a REC to the subject property, in AECOM's opinion.

5.3.2 Surrounding Sites

According to the environmental database report, numerous sites (over 35) were identified within their respective ASTM and/or EDR search distances from the subject property. Based on AECOM's review of these database listings, none of these sites are expected to present a REC to the subject property based on their distance from the subject property, regulatory status (i.e. closed, no violations found), media impacted (i.e. soil only), and/or topographical position from the subject property (i.e. down-gradient or cross-gradient). Due to their proximity to the subject property, the following sites are discussed in additional detail.

- Lewin Ed Thrifty Service Station at 525 N. Harbor Boulevard is located approximately 200-feet north-northeast of the subject property and was identified in the EDR Historical Auto Stations database for the year 1957. Based on the lack of listing in other databases indicating a release, this site is not considered to represent a REC to the subject property, in AECOM's opinion.
- Los Angeles Marine Hardware at 345 N. Beacon Street is located adjacent to the south of the subject property, across O'Farrell Street, and was identified in the SWEEPS UST, HIST UST, and CA FID UST databases. These databases report that this property maintained a 5,000-gallon unleaded gasoline UST that was installed in 1984. No additional information was available. Based on the lack of listing in other databases indicating a release, this site is not considered to represent a REC to the subject property, in AECOM's opinion.
- Arco Battery Mfg. Co. at 327 N. Harbor Boulevard is located adjacent to the southeast of the subject property, across the intersection of N. Beacon Street and O'Farrell Street, and was identified in the Resource Conservation and Recovery Act (RCRA)-Small Quantity Generator (SQG), Facility Index System/Facility Registry System (FINDS), and Enforcement and Compliance History Online (ECHO) databases. This property was observed to be a vacant lot (pumpkin patch) at the time of the site visit. No violations are reported in the database listings. Based on the lack of listing in other databases indicating a release, this site is not considered to represent a REC to the subject property, in AECOM's opinion.

5.4 Vapor Encroachment Screening

AECOM conducted a Tier 1 vapor encroachment screening (VES) as part of this assessment. This screening was conducted in general accordance with the ASTM E 2600 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* dated October 2015. The objective of the VES was to determine if a vapor encroachment condition (VEC) exists or if a VEC does not exist.

5.4.1 Subject Property

A former 1,000-gallon unleaded gasoline UST was installed at the subject property in 1959, as discussed in Section 5.3.1. Based on removal of the UST in 1991 and the soil analytical results, which indicated that there was no release from the tank, the former 1,000-gallon gasoline UST does not represent a REC in connection with the subject property, in AECOM's opinion, and therefore, a potential VEC at the subject property does not appear to exist.

5.4.2 Offsite

To conduct the VES of the nearby area, AECOM conducted a detailed review and analysis of the site-specific environmental database report with particular focus on the following two types of sites:

1. Offsite properties that are impacted by chlorinated volatile organic compounds (VOCs) and/or semi-volatile-organic compounds (SVOCs) and are located within approximately 1,750 feet of the subject property, and
2. Offsite properties that are impacted by petroleum hydrocarbons and are located within approximately 525 feet of the subject property.

The following paragraph summarizes the results of AECOM's VES of the nearby area.

A review of the site-specific environmental database indicates that three chlorinated VOC/SVOC and no petroleum hydrocarbon impacted sites are located with the above-described radii of the subject property. One of these sites can be ruled out due to its regulatory status (i.e. regulatory closure has been issued), media impacted (i.e. soil only), and/or topographical position from the subject property (i.e. down-gradient or cross-gradient). The following two bullets discuss the remaining VOC/SVOC impacted sites:

- Former Union Oil Harbor Pipelines at Front Street is located approximately 1,000 feet north-northwest of the subject property and is listed in the Cleanup Program Sites (CPS)-Spills, Leaks, Investigations, and Cleanups (SLIC) database. This database reports that a 12-inch diameter inactive Unocal Pipeline was located within the Port of Los Angeles property along North Pacific Avenue and North Front Street, between the Harbor Freeway (State Route 110) and Seaside Freeway (State Route 47), which transported petroleum products from Berth 46 Supertanker Terminal to the Conoco Phillips refinery. The pipeline passed through two of the Ports redevelopment projects and has been removed, although some segments had to be abandoned-in-place due to underground utility conflicts and/or safety concerns. Investigative results from multiple assessments have identified petroleum hydrocarbon in soil and groundwater beneath the pipeline corridor. A remedial action is being reviewed by the Regional Water Quality Control Board (RWQCB). The CPS-SLIC database status is reported as "Open - Assessment & Interim Remedial Action" as of May 15, 2012. According to information reviewed on the online GeoTracker database maintained by the SWRCB, groundwater monitoring is ongoing along the pipeline corridor to monitor natural attenuation of the groundwater contamination. During the most recent groundwater monitoring event in May 2018, the groundwater flow direction at this site was convergent; flowed to northwest in the southern wells (away from the subject property) and to the southeast in the northern wells (towards the subject property). Petroleum hydrocarbons were not detected in the well closest to the subject property during the May 2018 monitoring event. Based on this information, it is AECOM's

opinion that this site does not represent a REC to the subject property, and a potential VEC from this offsite source to the subject property can be ruled out.

- Former Chevron Marine Terminal (CMT) at 1510 Swinford Street was formerly located approximately 1,500 feet north-northeast of the subject property and was identified in the CPS-SLIC and HIST UST databases. These databases reported that the former CMT operated for approximately 70 years and included 20 large ASTs and associated piping and buildings. Former operations included the fueling of ships with bunker fuel and filling tanker trucks with lube oils and other petroleum products. The former CMT was demolished in 1991 to 1993 and this area has been redeveloped with Berths 97 and 102. Environmental investigations identified petroleum hydrocarbons in soil and groundwater, which extend on to the adjacent former Catalina Cruise Terminal (CCT) property. The CPS-SLIC database status is reported as "Open - Assessment & Interim Remedial Action" as of July 30, 2010. Based on information on the online GeoTracker database, groundwater monitoring to observe natural attenuation of the groundwater contamination is ongoing at this property. During the most recent monitoring event in May 2018, petroleum hydrocarbons were not detected in the wells closest to the subject property. Based on this information, it is AECOM's opinion that this site does not represent a REC to the subject property, and a potential VEC from this offsite source to the subject property can be ruled out.

5.5 Agency File Review

5.5.1 City and County

AECOM searched various City of Los Angeles online databases for information on the subject property including the Bureau of Engineering, Department of Public Works, NavigateLA database and the Department of City Planning, Zoning Information and Map Access System (ZIMAS). In addition, AECOM searched the Los Angeles County Office of the Assessor online Property Assessment Information System (PAIS) for information on the subject property. Information obtained from these online databases for the subject property has been incorporated throughout this report where appropriate.

AECOM searched the online City of Los Angeles Fire Department (LAFD) lists of active and inactive underground storage tank, aboveground petroleum storage tank, hazardous materials facilities, and underground storage tank historical files to determine if the LAFD has Certified Unified Program Agency (CUPA)-records pertaining to the subject property. According to these online LAFD lists, historical UST records exist for 515 N. Beacon Street. These records were discussed in Section 5.3.1.

AECOM contacted the City of Los Angeles Department of Public Works, Bureau of Sanitation, Industrial Waste Management Division (IWMD) industrial wastewater discharge permit information pertaining to the subject property. The IWMD responded on October 19, 2018 and reported that they do not have permits on file for the subject property addresses.

AECOM contacted the Los Angeles County Fire Department, Health Hazardous Materials Division (HHMD) for records pertaining to hazardous materials and/or storage tanks at the subject property. The HHMD responded on October 17, 2018 and reported that they do not have records pertaining to the subject property.

AECOM searched the Los Angeles County Department of Public Works Environmental Programs Division online database of industrial waste, hazardous materials underground storage tank, and stormwater certificate programs files. No records were found associated with the subject property addresses in the online database.

5.5.2 State

AECOM contacted the California Environmental Protection Agency (Cal/EPA) DTSC for information pertaining to the subject property. The DTSC responded on October 18, 2018 and reported that they do not have records pertaining to the subject property addresses. In addition, AECOM searched DTSC's online EnviroStor database for California Cleanup Sites involving the DTSC. The EnviroStor database consists of federal National Priorities List (NPL) sites, state response sites, voluntary cleanup sites, and school cleanup sites. No listings were identified associated with the subject property in the online EnviroStor database.

AECOM contacted the RWQCB (Los Angeles Region) for information pertaining to the subject property. The RWQCB responded on October 29, 2018 and reported that they have stormwater records associated with the 515 N. Beacon Street address, which are consistent with the environmental database report listings discussed in Section 5.3.1. AECOM also searched the California EPA's SWRCB online GeoTracker database. The GeoTracker database consists of Leaking Underground Storage Tank (LUST) Cleanup Sites, (non-petroleum) Cleanup Program Sites (CPS), Military Cleanup Sites, and Permitted UST Sites located throughout California. No listings were identified associated with the subject property in the online GeoTracker database.

AECOM searched the online Cal/EPA Regulated Site Portal database. The database combines information from the California Environmental Reporting System (CERS), EnviroStor, GeoTracker, the California Integrated Water Quality System (CIWQS), and the federal Toxics Release Inventory (TRI) database. No listings were identified associated with the subject property in the online Cal/EPA Regulated Site Portal database.

AECOM search the South Coast Air Quality Management District (SCAQMD) online Facility Information Detail (FIND) database. FIND provided information for facilities regulated by SCAQMD including emissions, equipment, enforcement actions, and hearing board documents. Louisiana Pacific Corp. (Facility ID 11302) was identified at 515 N. Beacon Street in the online FIND database. The status is reported as "out of business" and no permit information or equipment is listed. In addition, no notices or violation or notices to comply are reported. No other online FIND database listings were identified associated with the subject addresses.

AECOM searched the California Department of Conservation online Division of Oil, Gas, and Geothermal Resources (DOGGR) Well Finder database. No oil/gas wells were depicted on the subject property in the online DOGGR database. The subject property is not located within an oil field.

5.5.3 Federal

AECOM performed a review of online records available on the National Pipeline Mapping System (NPMS) public map viewer maintained by the U.S. DOT's Pipeline and Hazardous Materials Safety Administration (PHMSA), for gas transmission or hazardous liquid pipelines on or adjacent to the subject property. No gas transmission or hazardous liquid pipelines were identified on to the subject property that are within the PHMSA's jurisdiction. Hazardous liquid pipelines are depicted along Harbor Boulevard approximately one-block east of the subject property.

AECOM searched the U.S. EPA's Envirofacts and Superfund Enterprise Management System (SEMS) online databases. The Envirofacts database retrieves information obtained from 17 national systems, including the CERCLIS, Superfund program (NPL sites), hazardous waste sites, and potential hazardous waste sites. The SEMS database replaced the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) which has since been retired. SEMS includes the same data fields and content as CERCLIS. No listings were identified associated with the subject property in the Envirofacts or SEMS databases.

6. Findings and Opinions

AECOM performed a Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Practice E 1527-13, which meets the requirements of Title 40, Code of Federal Regulations Part 312 and is intended to constitute *all appropriate inquiry* for purposes of the landowner liability protections. Any exceptions to, or deletions from, this practice are described in Section 1.3 through 1.5 of this report.

The following sections summarize the findings and opinions of this Phase I ESA of the subject property.

6.1 Recognized Environmental Conditions

Based on the above-described activities, no RECs were identified in connection with the subject property.

6.2 Controlled Recognized Environmental Conditions

Based on the above-described activities, no CRECs were identified in connection with the subject property.

6.3 Historical Recognized Environmental Conditions

Based on the above-described activities, no HRECs were identified in connection with the subject property.

6.4 De Minimis Conditions

Based on the above-described activities, no DMCs were identified in connection with the subject property.

7. Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Bridge Housing Project located on 515 North Beacon Street, San Pedro, California, the subject property. Any exception to, or deletions from, this practice are described in Sections 1.3 through 1.5 of this report. This assessment has revealed no evidence of RECs or CRECs in connection with the subject property.

8. Environmental Professional Statement

Ms. Jessica Himebauch was the Environmental Professional (EP) for this project. Ms. Himebauch's EP statement is below and her resume is provided in Appendix E.

I declare that, to the best of my professional knowledge and belief, I meet the definition of an EP as defined in §312.10 of 40 Code of Federal Regulations (CFR) and that I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature:  Date: November 8, 2018

9. References

9.1 Persons Interviewed

Froelich, Heloise, City of Los Angeles Environmental Management Group, Bureau of Engineering, Department of Public Works, 1149 South Broadway, Suite 600, Mail Stop 939, Los Angeles, California 90015-2213, heloise.froelich@lacity.org.

Hossain, Khan, California Department of Transportation, Office of Design, 213-897-0239, khan.a.hossain@dot.ca.gov.

9.2 Agencies Contacted

City of Los Angeles Bureau of Engineering, Department of Public Works, NaviagateLA online database search, http://navigatela.lacity.org/navigatela/

City of Los Angeles Department of Public Works, Bureau of Sanitation, Industrial Waste Management Division, 2714 Media Center Drive, Los Angeles, CA 90065, 323-342-8200, public records request.

City of Los Angeles Department of Building and Safety, Online Building Records Search, http://ladbsdoc.lacity.org/idispublic/

City of Los Angeles, Department of City Planning, Zone Information and Map Access System (ZIMAS), http://zimas.lacity.org/

City of Los Angeles Fire Department, Inventory Lists of Underground Storage Tank, Above Ground Petroleum Storage Tank, and Hazardous Materials Facilities Located within The City of Los Angeles, http://www.lafd.org/fire-prevention/cupa/public-records

Los Angeles County Department of Public Works, Environmental Programs Division, Online File Review, http://dpw.lacounty.gov/epd/CleanLA/OpenFileReview.aspx

Los Angeles County Fire Department, Health Hazardous Materials Division, 1320 North Eastern Avenue, Los Angeles, California 90063, 323-881-2411, online public records request, https://www.fire.lacounty.gov/hhmd/public-records-requests/

Los Angeles County Office of the Assessor, Property Assessment Information System (PAIS), http://maps.assessor.lacounty.gov/GVH_2_2/Index.html?configBase=http://maps.assessor.lacounty.gov/Geocortex/Essentials/REST/sites/PAIS/viewers/PAIS_hv/virtualdirectory/Resources/Config/Default

South Coast Air Quality Management District (AQMD), Facility Information Detail (FIND), http://www.aqmd.gov/home/tools/public/find

State, California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) Well Finder, http://www.conservation.ca.gov/dog/Pages/wellfinder.aspx

State, California Department of Toxic Substances Control (DTSC), EnviroStor online database, http://www.envirostor.dtsc.ca.gov/public/

State, California Environmental Protection Agency (EPA), Site Portal online database, https://siteportal.calepa.ca.gov

State, California Water Resources Control Board (SWRCB), GeoTracker online database, http://GeoTracker.swrcb.ca.gov/

State, California State Water Resources Control Board (SWRCB) GeoTracker, Groundwater Monitoring and Assessment Program (GAMA), Groundwater Information System database, http://geotracker.waterboards.ca.gov/gama/gamamap/public/

United States Department of Transportation (DOT), Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System (NPMS) public map viewer, https://pvnpms.phmsa.dot.gov/PublicViewer/

United States Environmental Protection Agency (EPA), Envirofacts Multisystem online search, https://www3.epa.gov/enviro/facts/multisystem.html

United States EPA, Superfund Enterprise Management System (SEMS) online search, https://www.epa.gov/enviro/sems-search

9.3 Documents Reviewed

ASTM E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, dated November 2013. www.astm.org

ASTM E 2600-15, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, dated October 2015. www.astm.org

EDR 1940 Chain of Title Report, prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 11, 2018. Inquiry number 5450134.13S. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR Aerial Photo Decade Package prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 12, 2018. Inquiry number 5450134.11. Aerial photographs dated 1923, 1928, 1947, 1952, 1963, 1972, 1977, 1981, 1989, 1994, 2002, 2005, 2009, 2012, and 2016. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR Building Permit Report, prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 10, 2018. Inquiry number 5450134.8. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR Certified Sanborn® Map Report, prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 11, 2018. Inquiry number 5450134.3. Sanborn Maps dated 1921, 1950, and 1969. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR-City Directory Abstract prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 11, 2018. Inquiry number 5450134.5. City directories reviewed included at approximate 5-year intervals for the years 1920 to 2014. Report prepared by

Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR Environmental Lien and AUL Search, prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 12, 2018. Inquiry number 5450134.7. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR Historical Topo Map Report, prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 10, 2018. Inquiry number 5450134.4. Topographic Maps 1896, 1923, 1925, 1944, 1946/1948, 1951, 1964, 1972, 1981, and 2012. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR Property Tax Map, prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 10, 2018. Inquiry number 5450134.6. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

EDR Radius Map™ Report with GeoCheck®, prepared for LABOE Beacon St San Pedro, 515 N Beacon St, San Pedro, CA 90731, dated October 10, 2018. Inquiry number 5450134.2s. Report prepared by Environmental Data Resources Inc., 6 Armstrong Road, Shelton, Connecticut 06484, (800) 352-0050, www.edrnet.com.

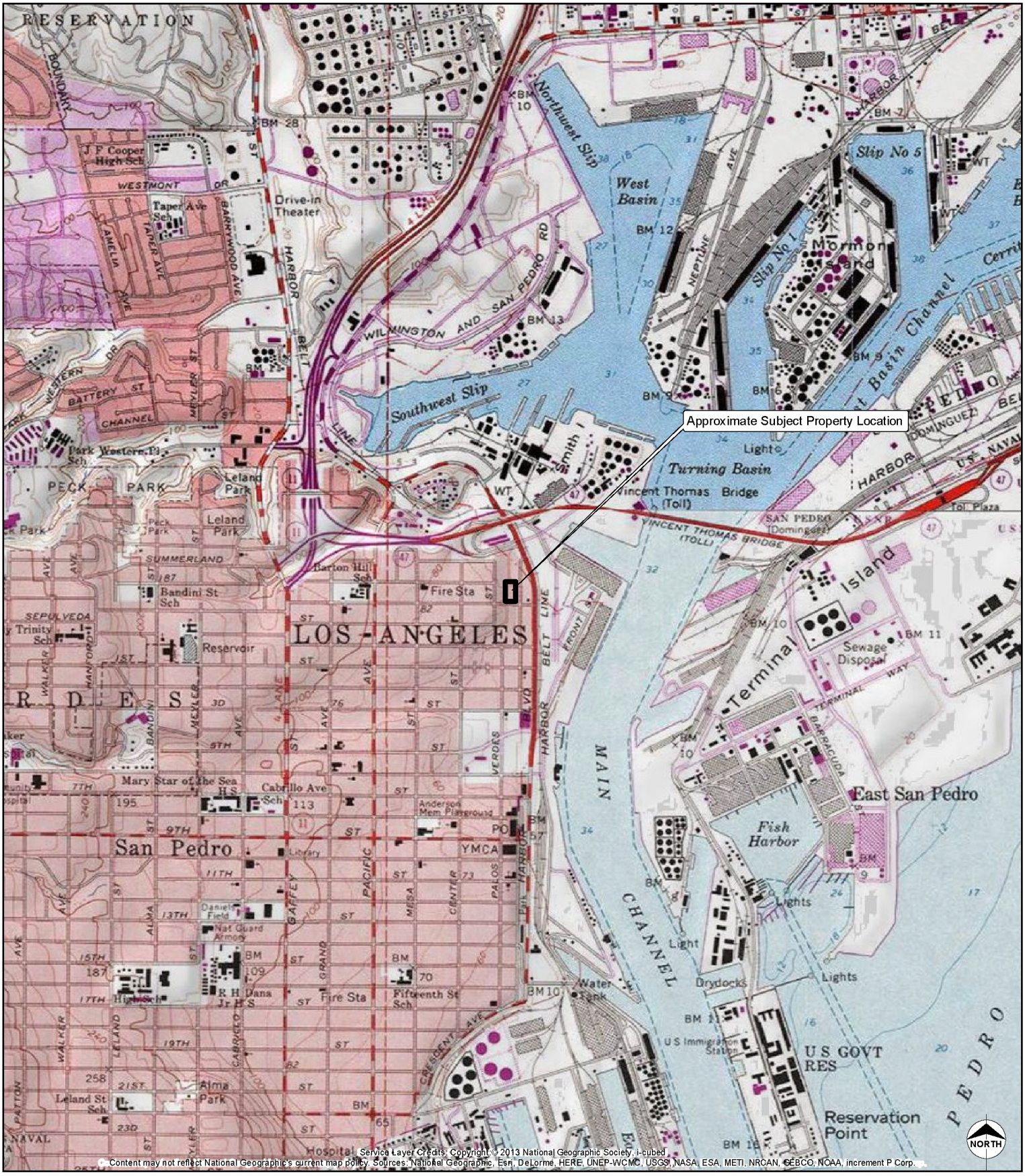
Google Earth website, www.google.earth.com.

Memorandum, Hazardous Waste Site Assessment for Harbor/Beacon Park & Ride Facility (515 N. Beacon Street, San Pedro, CA), prepared by the State of California Department of Transportation OEECS-Hazardous Waste Branch, South Region, MS-16, dated December 6, 2011.

Memorandum, PS&E Hazardous Waste Assessment, prepared by the State of California Department of Transportation OEE-Hazardous Waste Branch, South Region, Division of Environmental Planning, dated July 27, 2017.

U.S. Environmental Protection Agency, Technical Guide For Addressing Petroleum Vapor Intrusion At Leaking Underground Storage Tank Sites dated June 2015, https://www.epa.gov/sites/production/files/2015-06/documents/pvi-guide-final-6-10-15.pdf

Figures



OVERVIEW MAP



Legend

Approximate Site Boundary

0 2,000

Feet

Scale 1:24,000

1 inch = 2,000 feet

Bridge Housing Project
515 N. Beacon Street
San Pedro, California

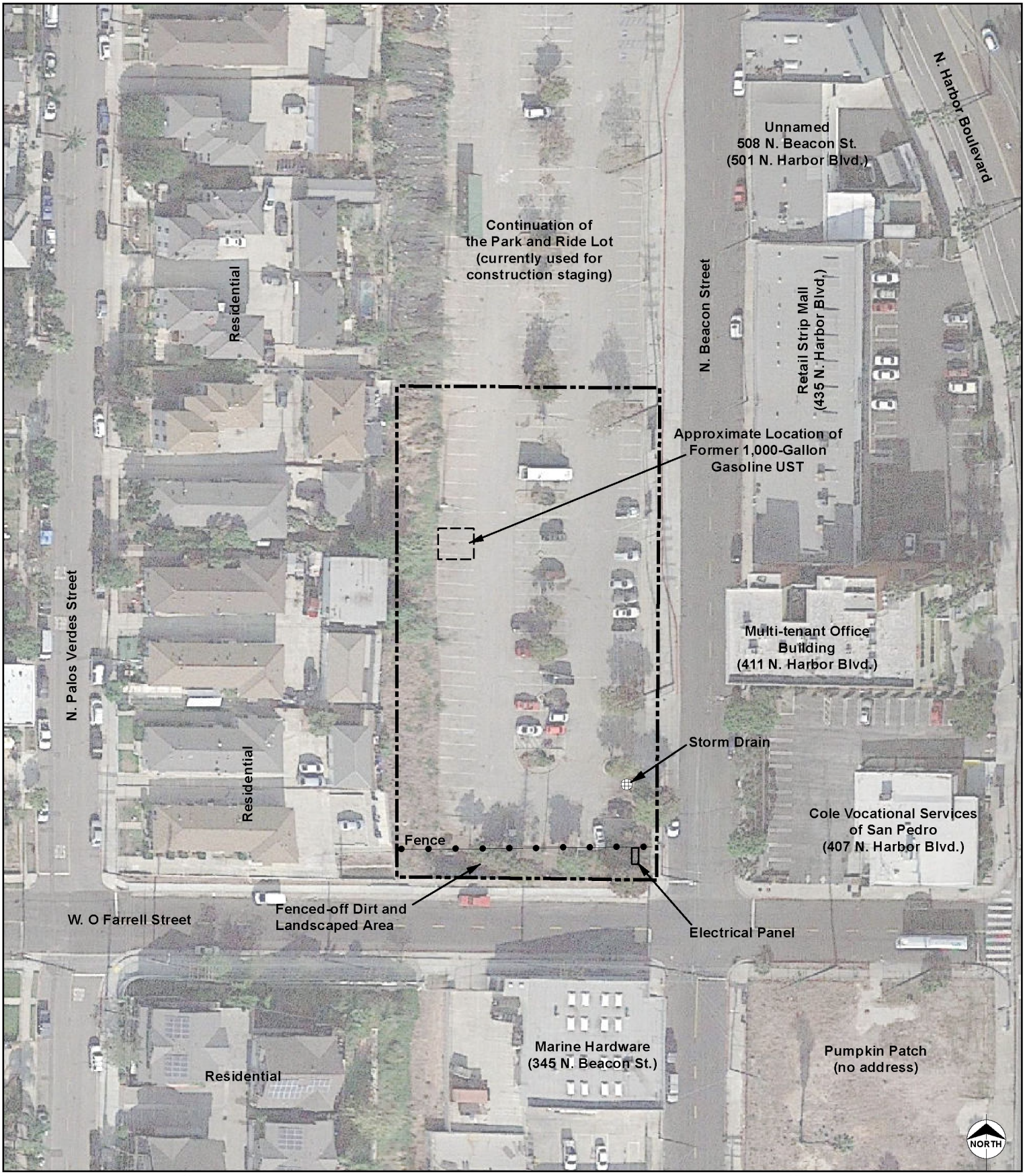
Site Location Map

Date: 11/1/2018 Project: 60589753-06

AECOM

Figure 1

Path: J:\Client-Projects\LABOE\60598753_San Pedro\SLM-San Pedro.mxd



OVERVIEW MAP



Legend

Approximate Site Boundary

0 80
Feet

Scale 1:960

1 inch = 80 feet

Source:
Aerial: Google Earth Pro;
Imagery Data: 12-3-2017

Bridge Housing Project
515 N. Beacon Street
San Pedro, California

Site Plan

Date: 11/1/2018 Project: 60589753-06

AECOM

Figure 2

Path: J:\Client-Projects\LABOE\60598753_San Pedro\SP-San Pedro.mxd

Appendix A Representative Site Photographs

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Bridge Housing Project (TOS EMGD-065)	515 N. Beacon Street, San Pedro, California	60589753

Photo No. 1	Date: 10/15/18

Direction Photo Taken:

North

Description:

Overview of the subject property, which is the southern portion of an asphalt-paved California Department of Transportation (Caltrans) Park and Ride Lot.



Photo No. 2	Date: 10/15/18

Direction Photo Taken:

West

Description:

View of the vegetated hillside located along the western property boundary of the subject property, beyond which is a residential neighborhood.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Bridge Housing Project (TOS EMGD-065)	515 N. Beacon Street, San Pedro, California	60589753

Photo No. 3	Date: 10/15/18

Direction Photo Taken:

West

Description:

Another view of the vegetated hillside to the west of the subject property.



Photo No. 4	Date: 10/15/18

Direction Photo Taken:

East

Description:

Handicap ramp located in the eastern portion of the subject property.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Bridge Housing Project (TOS EMGD-065)	515 N. Beacon Street, San Pedro, California	60589753

Photo No. 5	Date: 10/15/18

Direction Photo Taken:

Northwest

Description:

View of the fenced-off dirt and landscaped area located in the southern portion of the subject property, along O'Farrell Street.



Photo No. 6	Date: 10/15/18

Direction Photo Taken:

North

Description:

Portable toilet in the fenced-off dirt area in the southern portion of the subject property.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Bridge Housing Project (TOS EMGD-065)	515 N. Beacon Street, San Pedro, California	60589753

Photo No. 7	Date: 10/15/18

Direction Photo Taken:

South

Description:

View from the northern side of the fenced-off dirt and landscaped area located in the southern portion of subject property.



Photo No. 8	Date: 10/15/18

Direction Photo Taken:

North

Description:

View of the electrical panel located in the southeastern corner of the subject property.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Bridge Housing Project (TOS EMGD-065)	515 N. Beacon Street, San Pedro, California	60589753

Photo No.	Date:
9	10/15/18

Direction Photo Taken:

East

Description:

View of a storm drain located in the southeastern corner of the subject property that allows stormwater to flow from the subject property to N. Beacon Street.



Photo No.	Date:
10	10/15/18

Direction Photo Taken:

South

Description:

View of Marine Hardware located at 345 N. Beacon Street, adjacent to the south of the subject property, across O'Farrell Street.



AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Bridge Housing Project (TOS EMGD-065)	515 N. Beacon Street, San Pedro, California	60589753

Photo No.	Date:
11	10/15/18

Direction Photo Taken:

North

Description:

View of the residential neighborhood located adjacent to the west of the subject property along Palos Verdes Street.



Photo No.	Date:
12	10/15/18

Direction Photo Taken:

East

Description:

View along O'Farrell Street, located along the southern boundary of the subject property, looking toward the Port of Los Angeles.



PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Bridge Housing Project (TOS EMGD-065)	515 N. Beacon Street, San Pedro, California	60589753

Photo No. 13	Date: 10/15/18

Direction Photo Taken:

Northeast

Description:

View of the properties located adjacent to the east of the subject property, across N. Beacon Street. The white building is the retail strip mall at 435 N. Harbor Boulevard and the yellow building is a multi-tenant office building at 411 N. Harbor Boulevard.



Photo No. 14	Date: 10/15/18

Direction Photo Taken:

North

Description:

View of the remainder of the Caltrans Park and Ride Lot located adjacent to the north of the subject property, which was being used for construction staging and equipment storage at the time of the site reconnaissance.



Appendix B EDR Historical Sources

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731

Inquiry Number: 5450134.3
October 11, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/11/18

Site Name:

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731
EDR Inquiry # 5450134.3

Client Name:

AECOM
300 South Grand Avenue 8th floor
LOS ANGELES, CA 90071
Contact: Jessica Himebauch

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # FD0A-4211-B69E

PO # 60589753, Task 06

Project LABOE Bridge Housing San Pedro

Maps Provided:

1969
1950
1921

Sanborn® Library search results

Certification #: FD0A-4211-B69E

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

AECOM (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

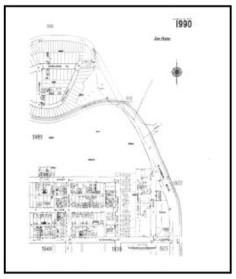
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1969 Source Sheets



Volume 19, Sheet 1922



Volume 19, Sheet 1990

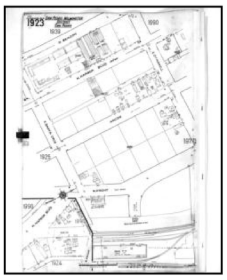
1950 Source Sheets



Volume 19, Sheet 1924

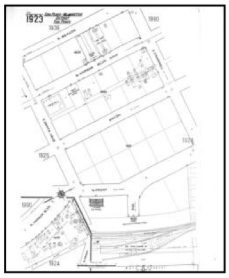


Volume 19, Sheet 1990



Volume 19, Sheet 1923

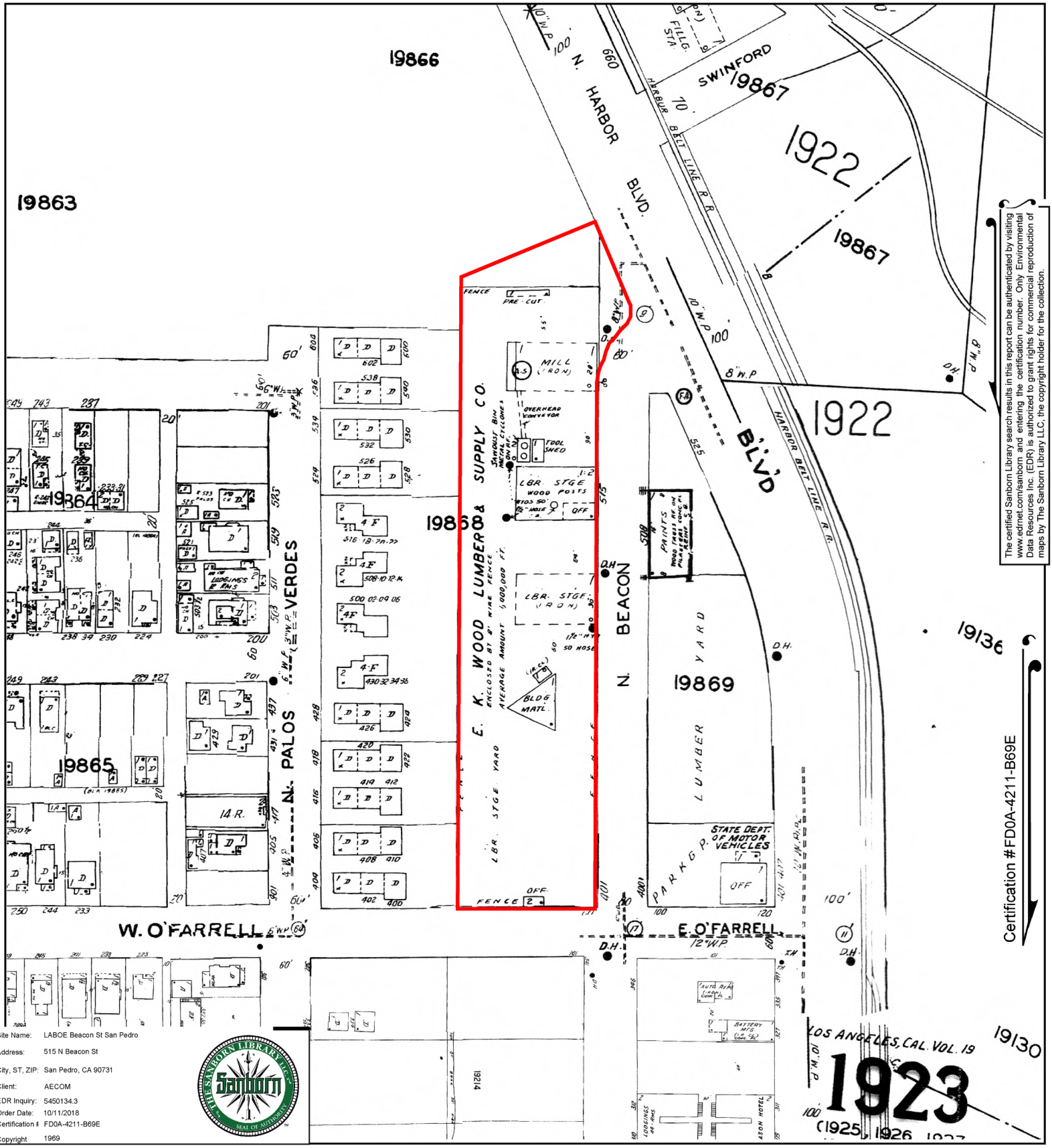
1921 Source Sheets



Volume 19, Sheet 1923



Volume 19, Sheet 1990



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

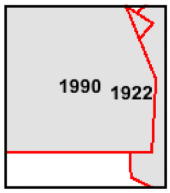
Certification #FD0A-4211-B69E

Site Name:	LABOE Beacon St San Pedro
Address:	515 N Beacon St
City, ST, ZIP:	San Pedro, CA 90731
Client:	AECOM
EDR Inquiry:	5450134.3
Order Date:	10/11/2018
Certification #	FD0A-4211-B69E
Copyright	1969

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



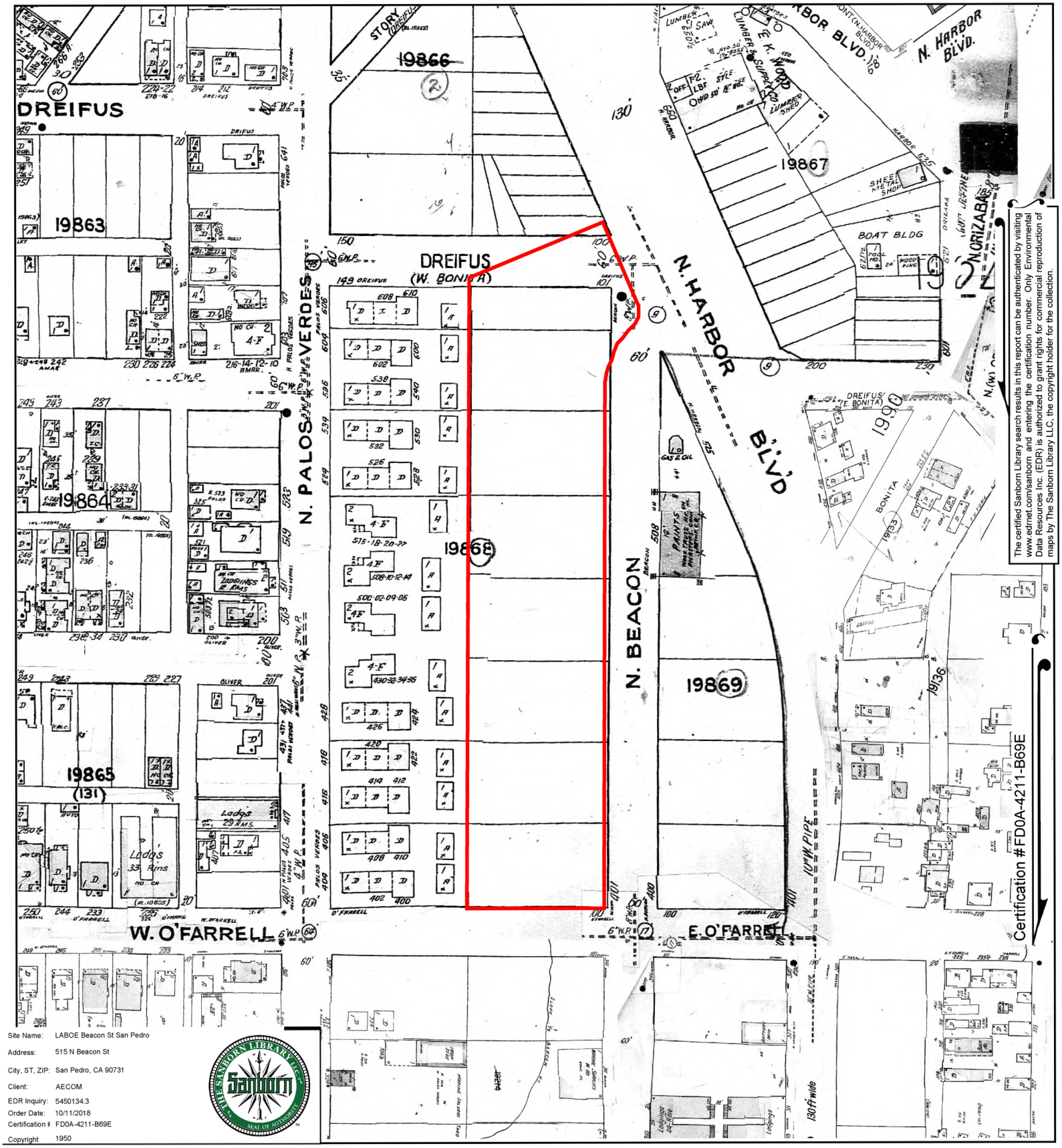


Volume 19, Sheet 1990
Volume 19, Sheet 1922

N

Certified Sanborn® Map

1950



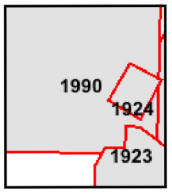
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #FD0A-4211-B69E

Site Name:	LABOE Beacon St San Pedro
Address:	515 N Beacon St
City, ST, ZIP:	San Pedro, CA 90731
Client:	AECOM
EDR Inquiry:	5450134.3
Order Date:	10/11/2018
Certification #	FD0A-4211-B69E
Copyright	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

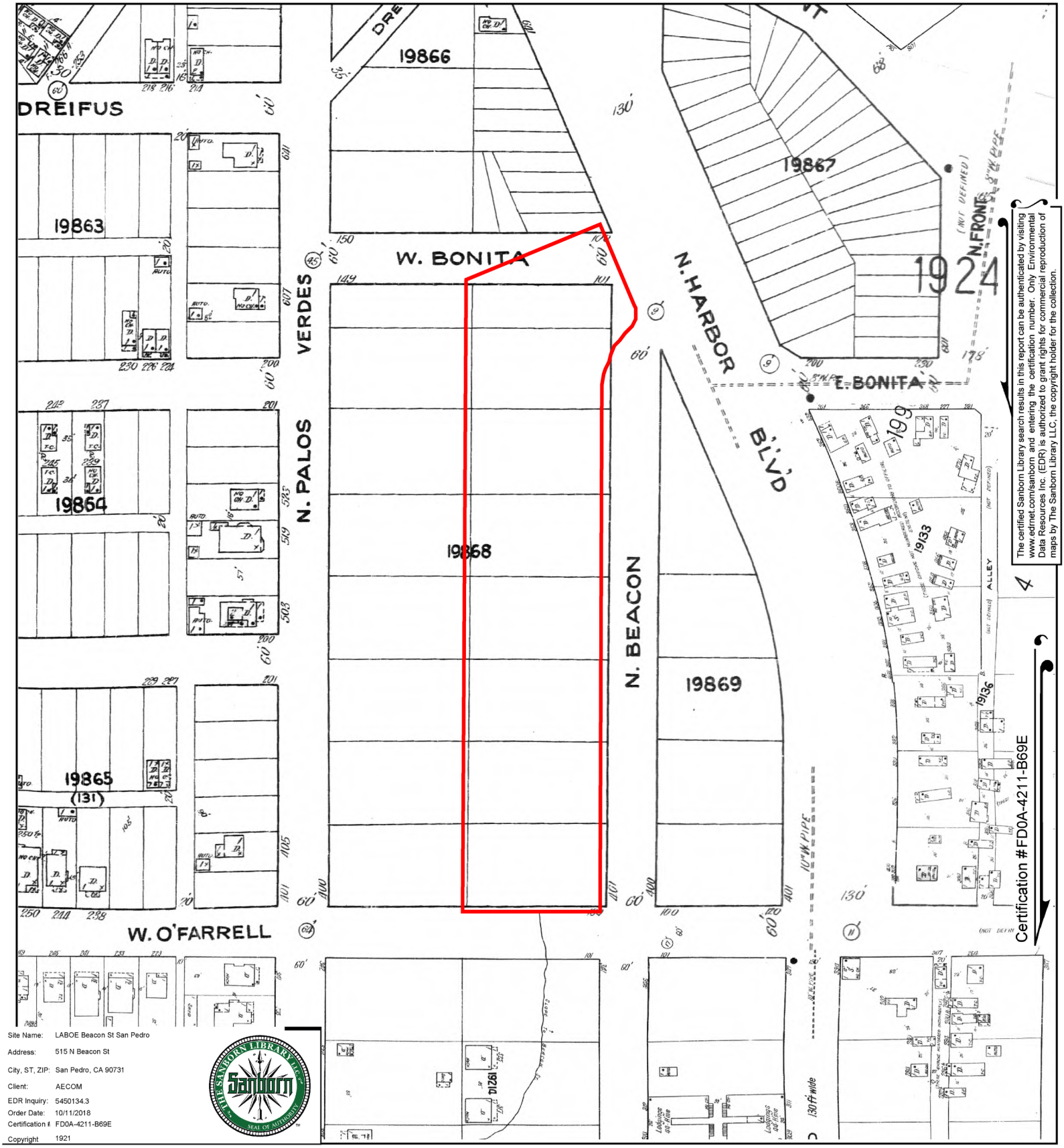




Volume 19, Sheet 1923
Volume 19, Sheet 1990
Volume 19, Sheet 1924

0 Feet 150 300 600

N



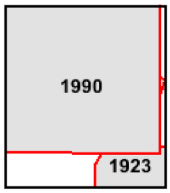
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name: LABOE Beacon St San Pedro
Address: 515 N Beacon St
City, ST, ZIP: San Pedro, CA 90731
Client: AECOM
EDR Inquiry: 5450134.3
Order Date: 10/11/2018
Certification #: FD0A-4211-B69E
Copyright 1921

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 19, Sheet 1990
Volume 19, Sheet 1923

N

LABOE Beacon St San Pedro

515 N Beacon St

San Pedro, CA 90731

Inquiry Number: 5450134.11

October 12, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

10/12/18

Site Name:

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731
EDR Inquiry # 5450134.11

Client Name:

AECOM
300 South Grand Avenue 8th floor
LOS ANGELES, CA 90071
Contact: Jessica Himebauch

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 22, 1981	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: December 27, 1972	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 17, 1947	FAIR
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

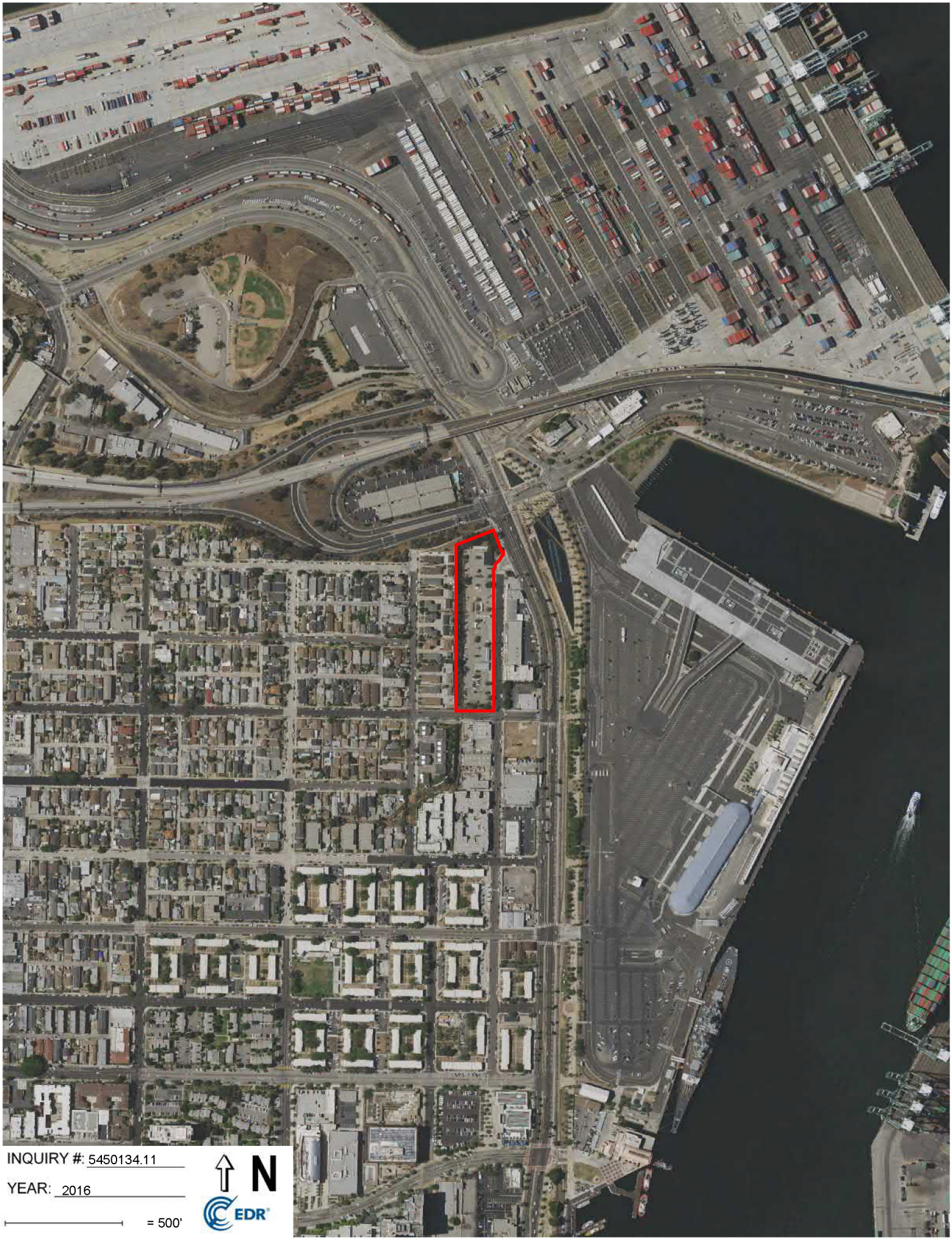
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



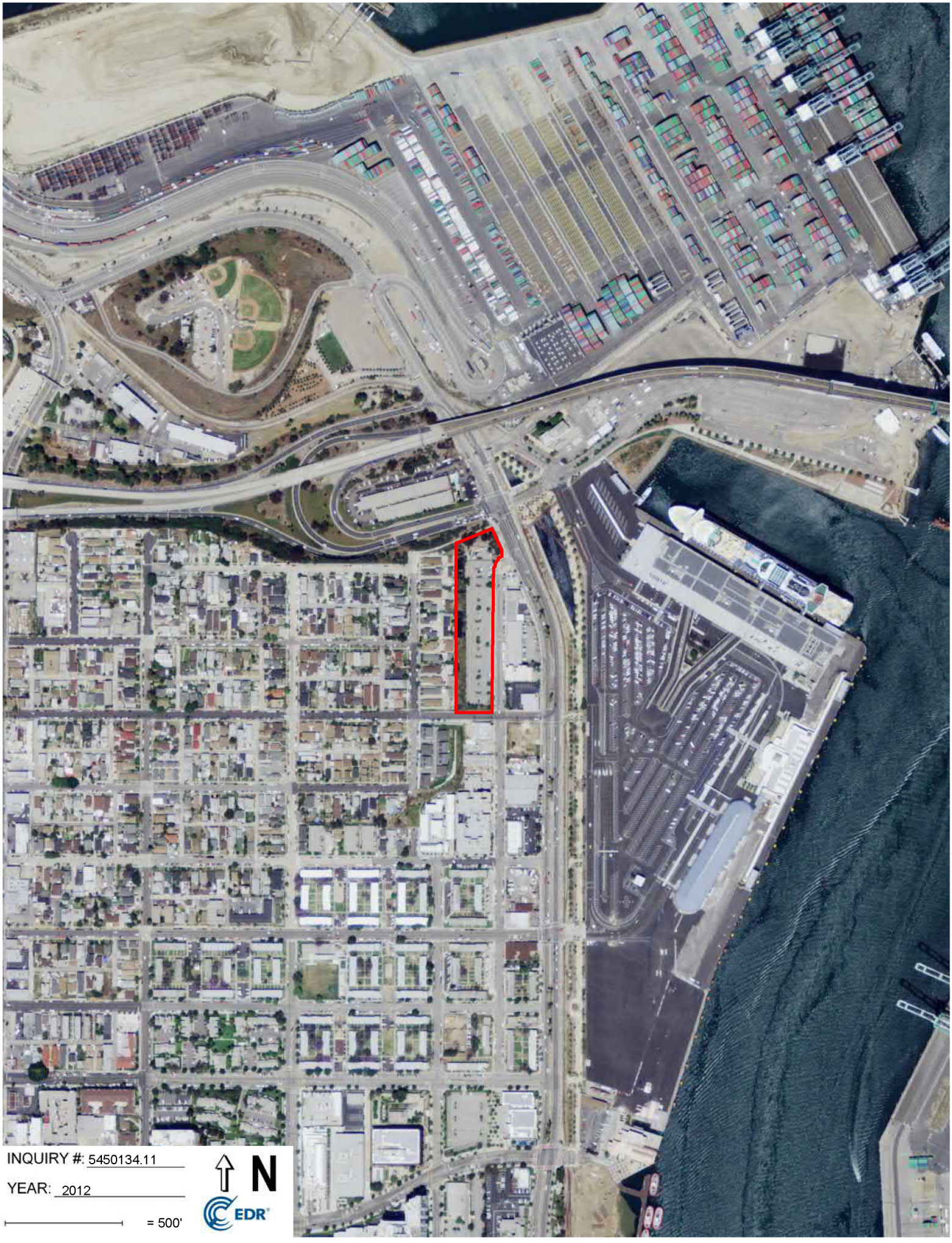
INQUIRY #: 5450134.11

YEAR: 2016

= 500'

N

EDR



INQUIRY #: 5450134.11

YEAR: 2012

= 500'

N

EDR



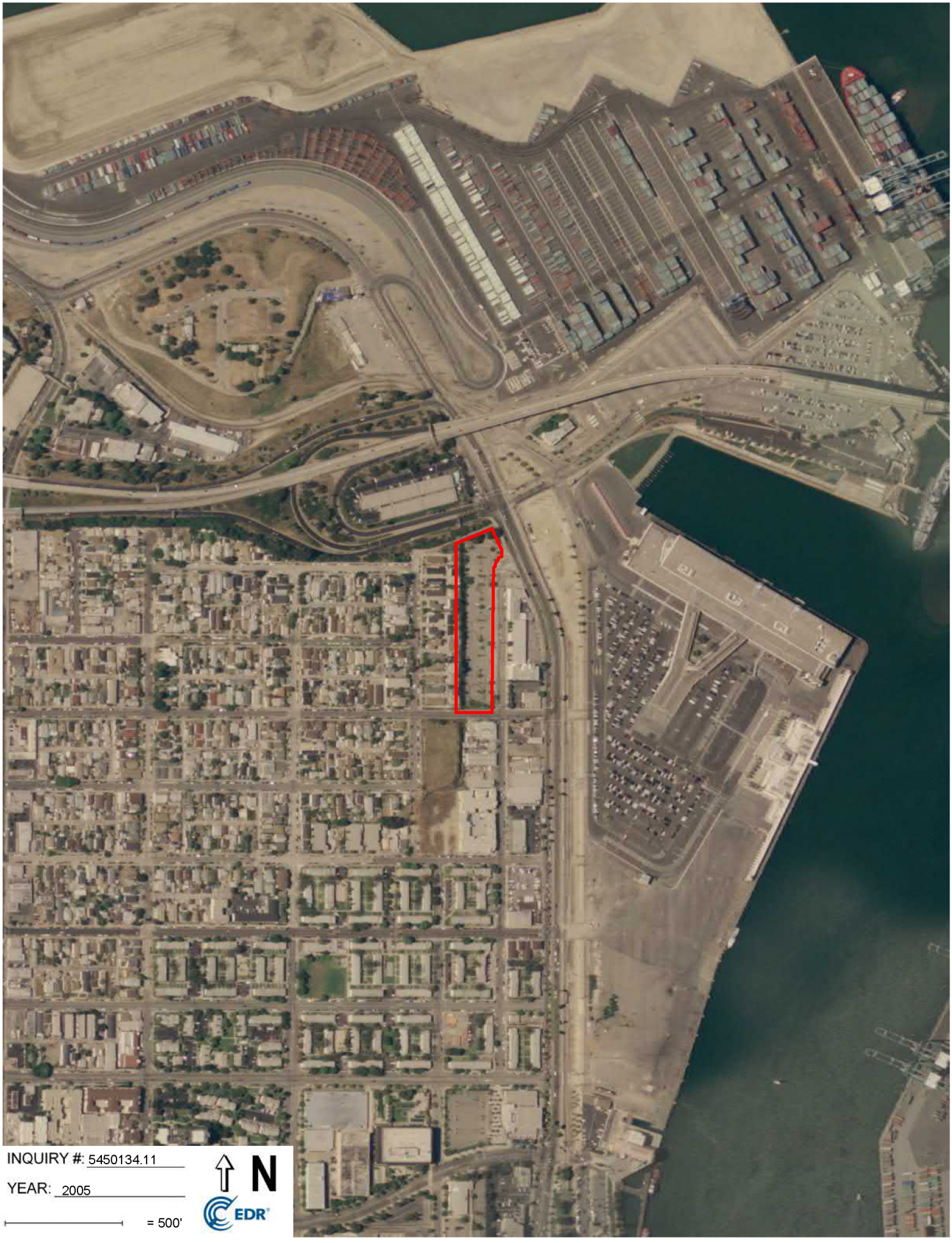
INQUIRY #: 5450134.11

YEAR: 2009

= 500'

N

EDR


INQUIRY #: 5450134.11
YEAR: 2005
= 500'
N
EDR



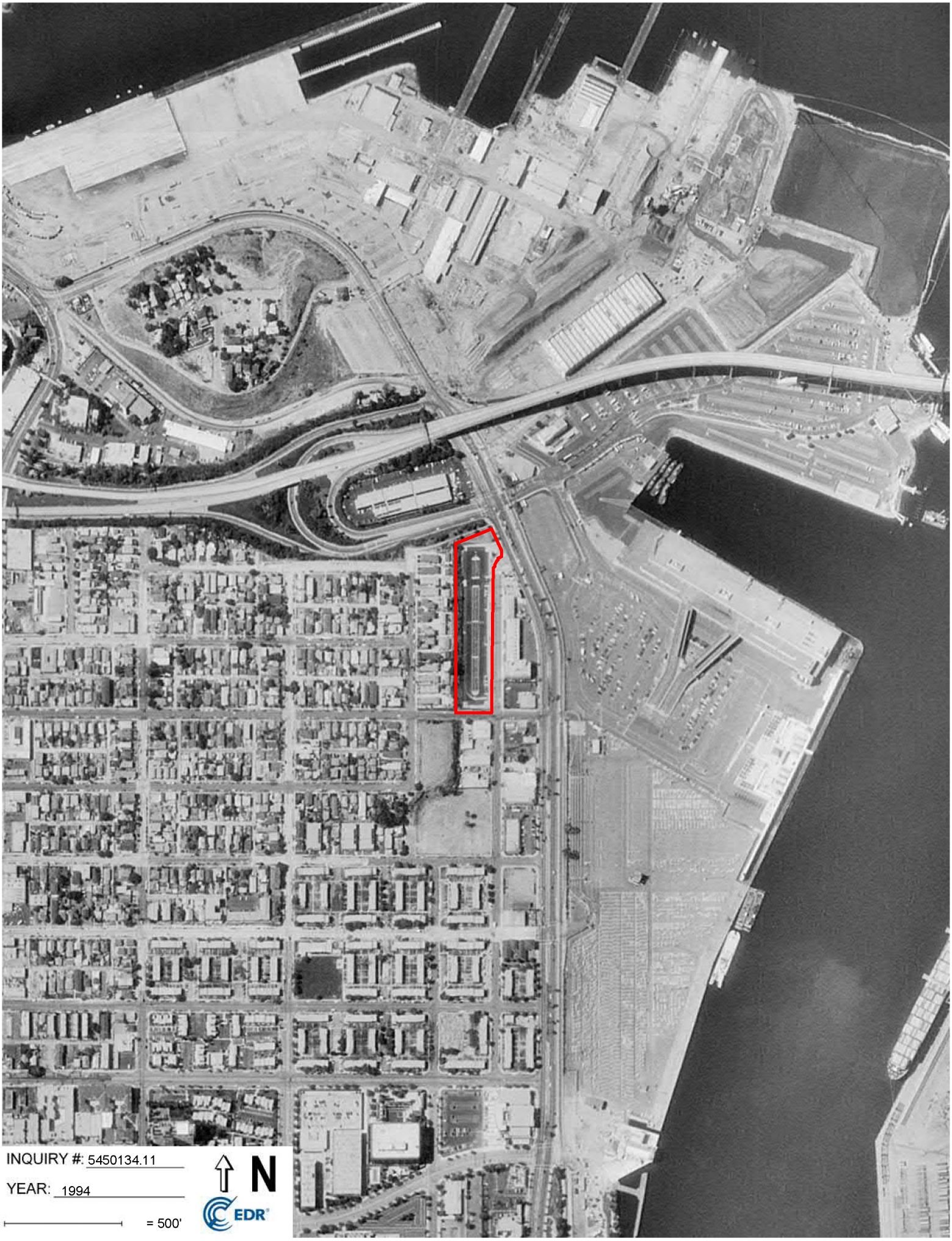
INQUIRY #: 5450134.11

YEAR: 2002

= 500'

N

EDR


INQUIRY #: 5450134.11
YEAR: 1994
= 500'
N
EDR



INQUIRY #: 5450134.11

YEAR: 1989

= 500'

N

EDR



INQUIRY #: 5450134.11

YEAR: 1981

= 500'

N

EDR



INQUIRY #: 5450134.11

YEAR: 1977

= 500'

N

EDR



INQUIRY #: 5450134.11

YEAR: 1972

= 500'

N

EDR



INQUIRY #: 5450134.11

YEAR: 1963

= 500'

N

EDR



INQUIRY #: 5450134.11

YEAR: 1952

= 500'

N

EDR


INQUIRY #: 5450134.11
YEAR: 1947
= 500'
N
EDR



INQUIRY #: 5450134.11

YEAR: 1928

= 500'

N

EDR



INQUIRY #: 5450134.11

YEAR: 1923

= 500'

N

EDR

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731

Inquiry Number: 5450134.4
October 10, 2018

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

10/10/18

Site Name:

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731
EDR Inquiry # 5450134.4

Client Name:

AECOM
300 South Grand Avenue 8th floor
LOS ANGELES, CA 90071
Contact: Jessica Himebauch

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 60589753, Task 06
Project: LABOE Bridge Housing San Pe

Coordinates:

Latitude: 33.747188 33° 44' 50" North
Longitude: -118.280754 -118° 16' 51" West
UTM Zone: Zone 11 North
UTM X Meters: 381372.10
UTM Y Meters: 3734861.89
Elevation: 21.14' above sea level

Maps Provided:

2012
1981
1972
1964
1951
1946, 1948
1944
1925
1923
1896

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

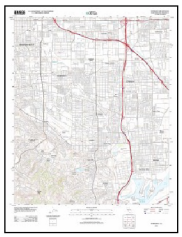
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



San Pedro

7.5-minute, 24000



Torrance

7.5-minute, 24000

1981 Source Sheets



Torrance

7.5-minute, 24000
Aerial Photo Revised 1978



San Pedro

7.5-minute, 24000
Aerial Photo Revised 1979

1972 Source Sheets



Torrance

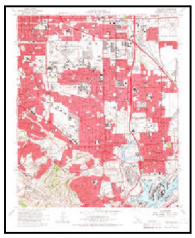
7.5-minute, 24000
Aerial Photo Revised 1972



San Pedro

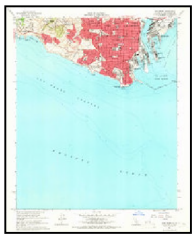
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Torrance

7.5-minute, 24000
Aerial Photo Revised 1963



San Pedro

7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

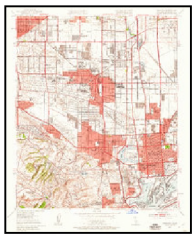
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1951 Source Sheets



San Pedro

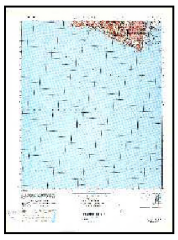
7.5-minute, 24000
Aerial Photo Revised 1947



Torrance

7.5-minute, 24000
Aerial Photo Revised 1947

1946, 1948 Source Sheets



SAN PEDRO

15-minute, 50000



REDONDO

15-minute, 50000

1944 Source Sheets



San Pedro

15-minute, 62500
Aerial Photo Revised 1940

1925 Source Sheets



Wilmington

7.5-minute, 24000



San Pedro Hills

7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets



Wilmington

7.5-minute, 24000

1896 Source Sheets



San Pedro

15-minute, 62500

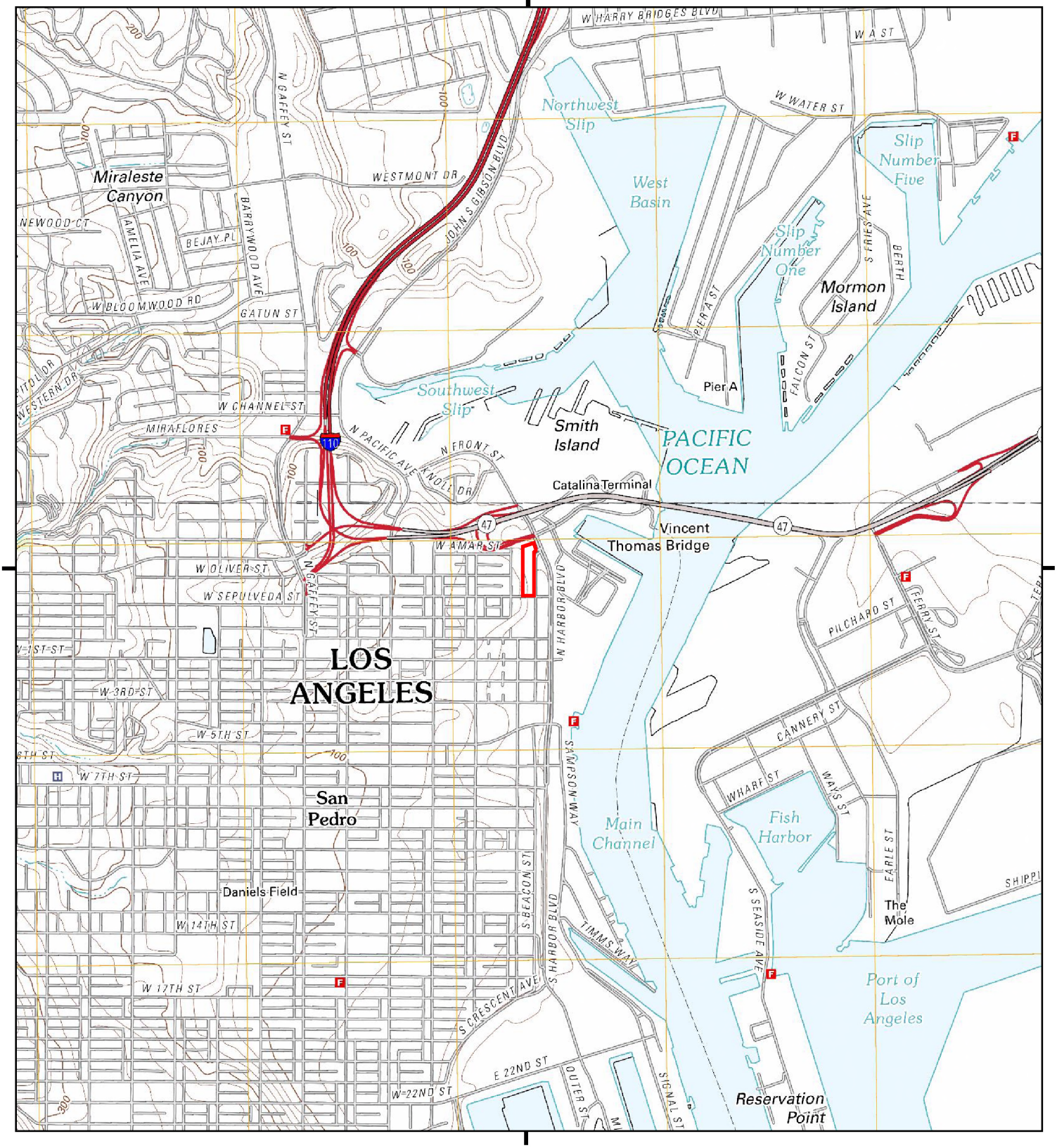


Redondo

15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

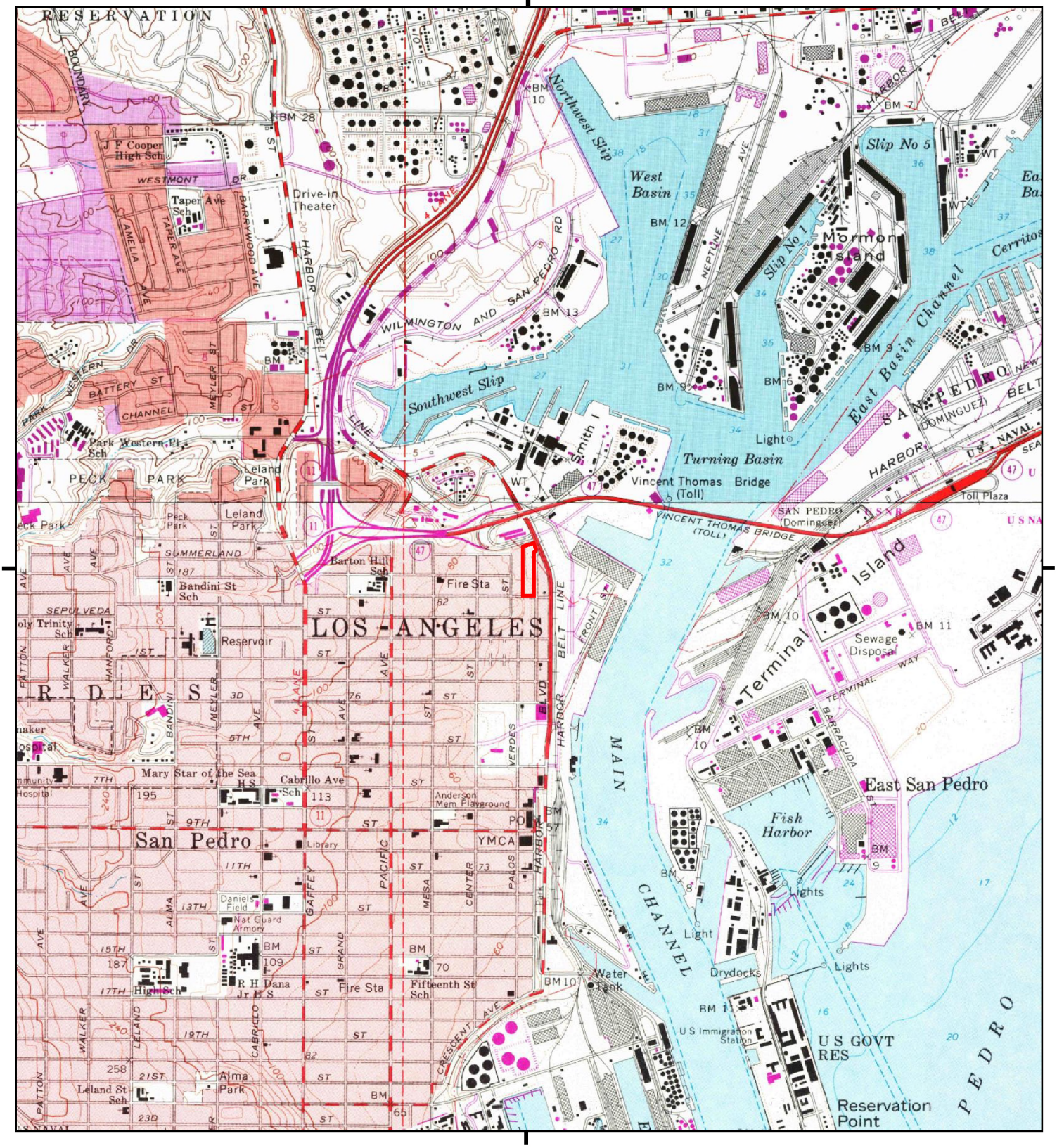
TP, San Pedro, 2012, 7.5-minute
N, Torrance, 2012, 7.5-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

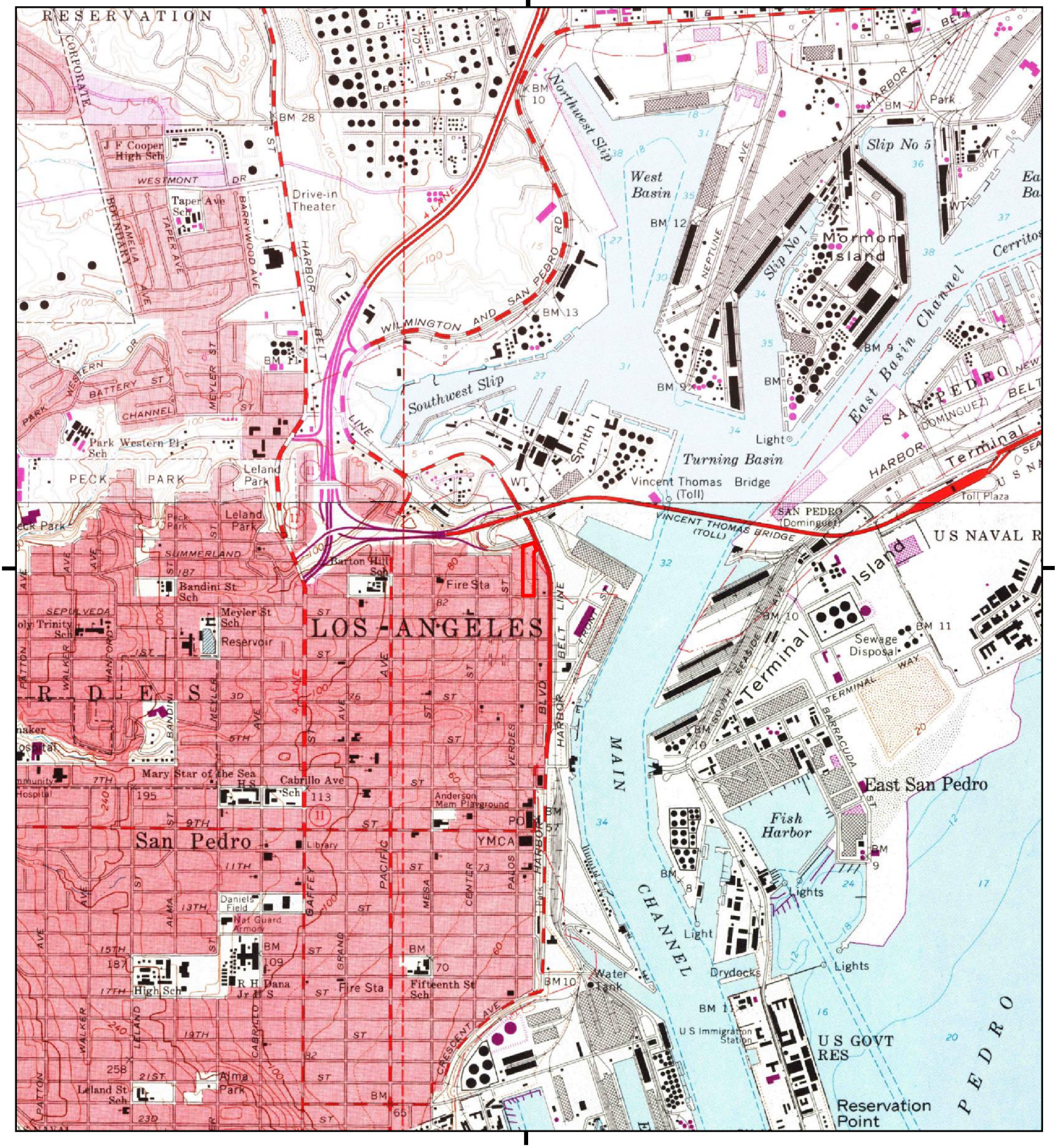
TP, San Pedro, 1981, 7.5-minute
N, Torrance, 1981, 7.5-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

Historical Topo Map

1972



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

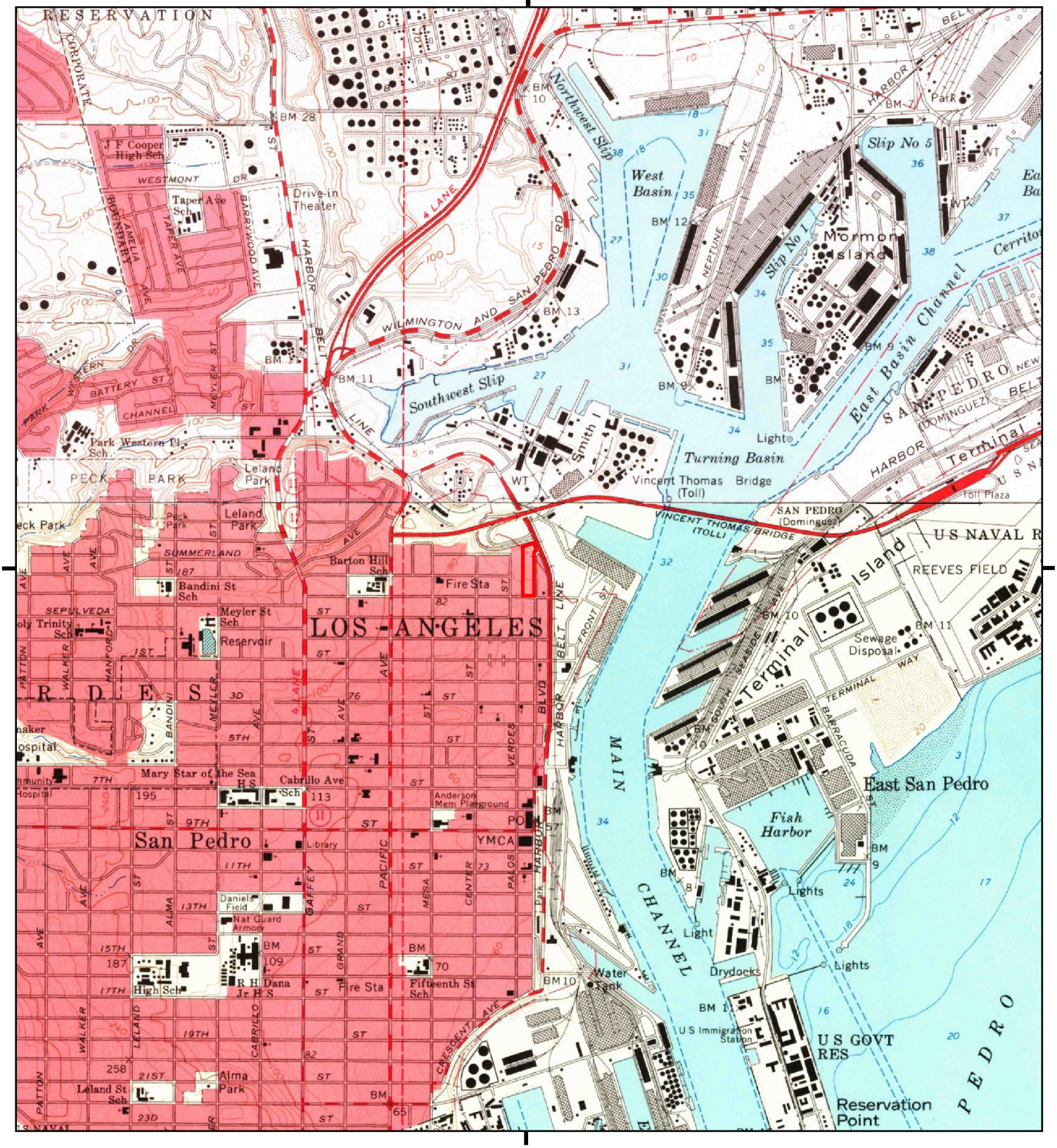
TP, San Pedro, 1972, 7.5-minute
N, Torrance, 1972, 7.5-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

Historical Topo Map

1964



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

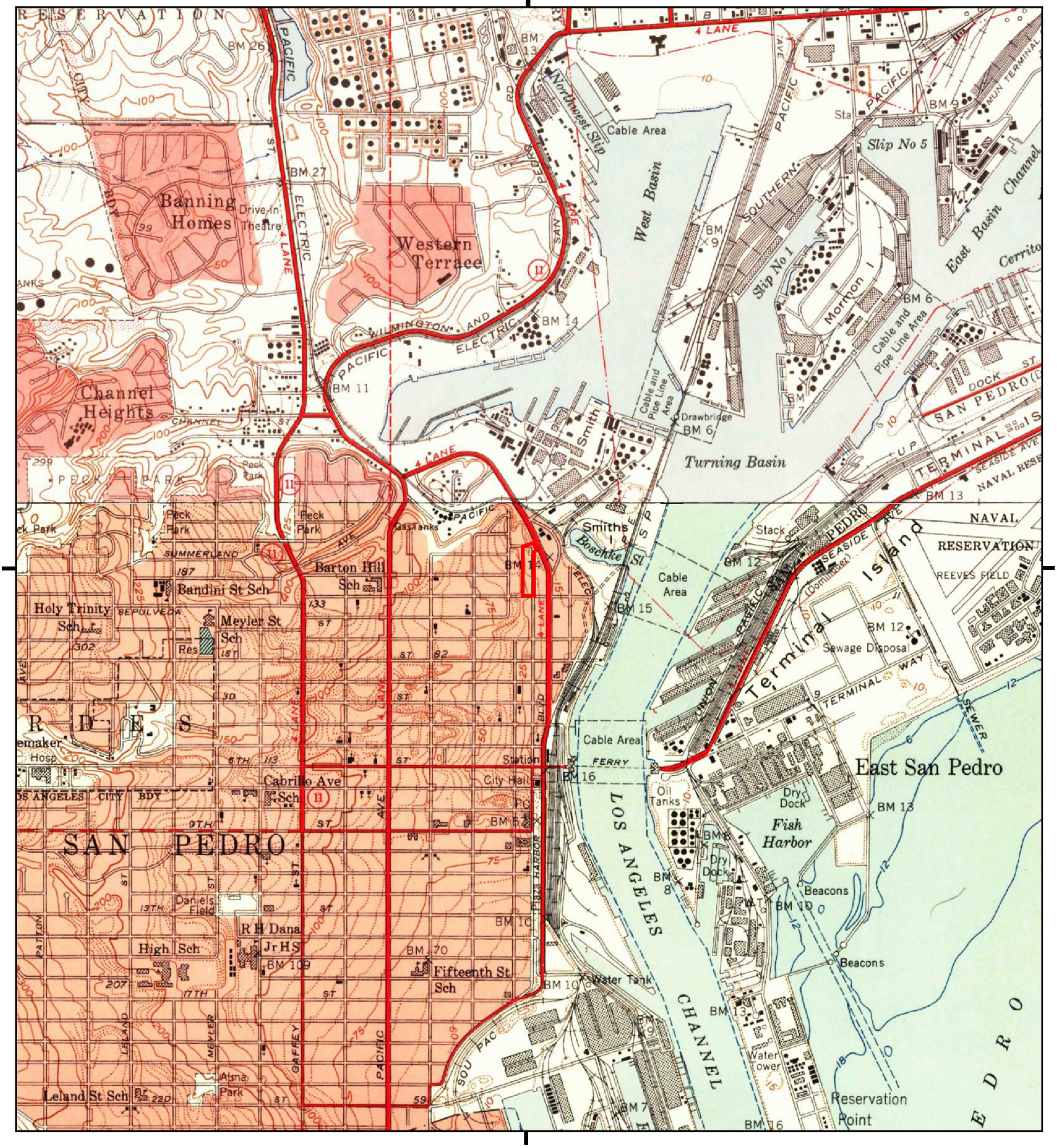
TP, San Pedro, 1964, 7.5-minute
N, Torrance, 1964, 7.5-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

Historical Topo Map

1951



This report includes information from the following map sheet(s).

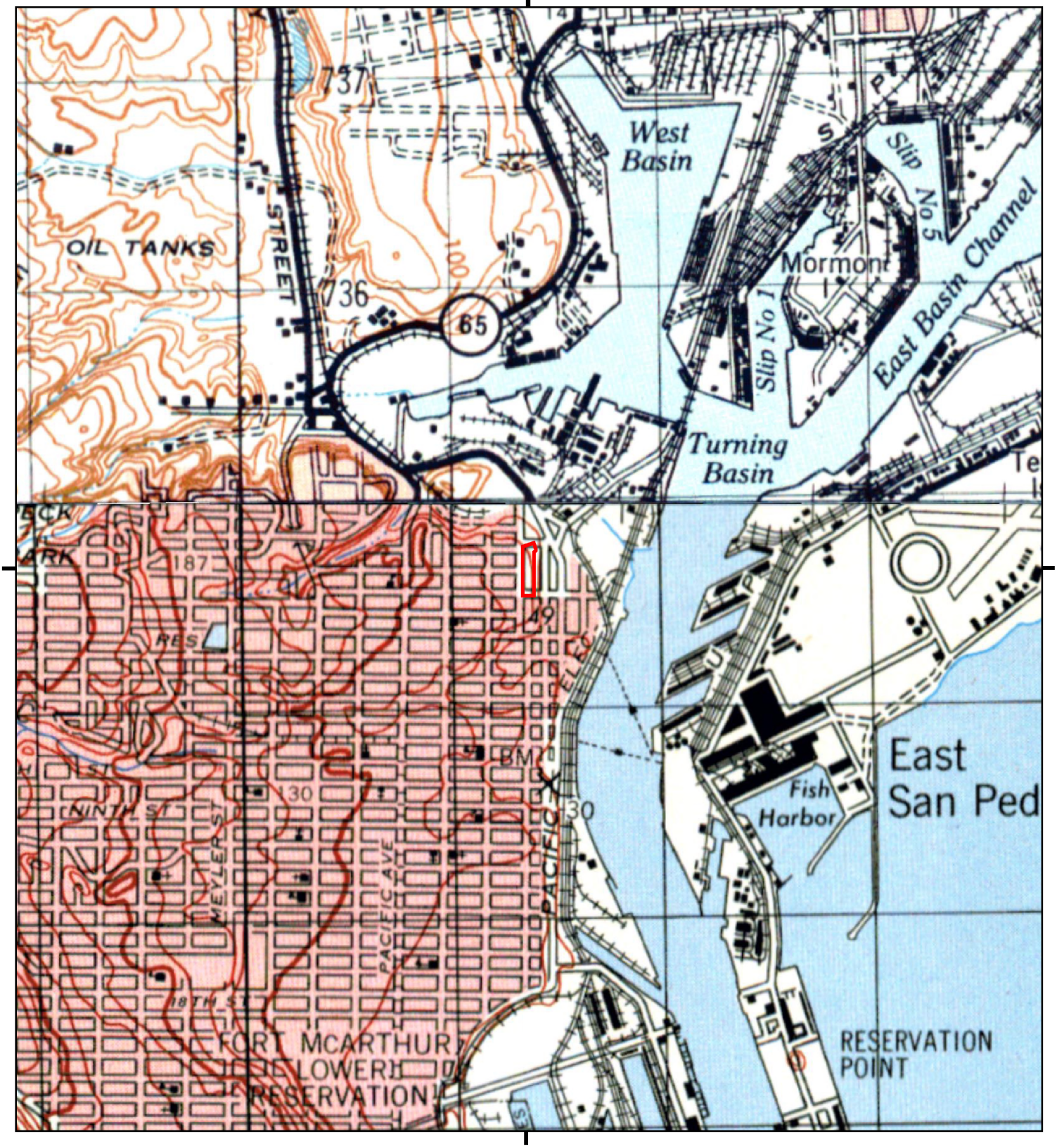
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Pedro, 1951, 7.5-minute
N, Torrance, 1951, 7.5-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

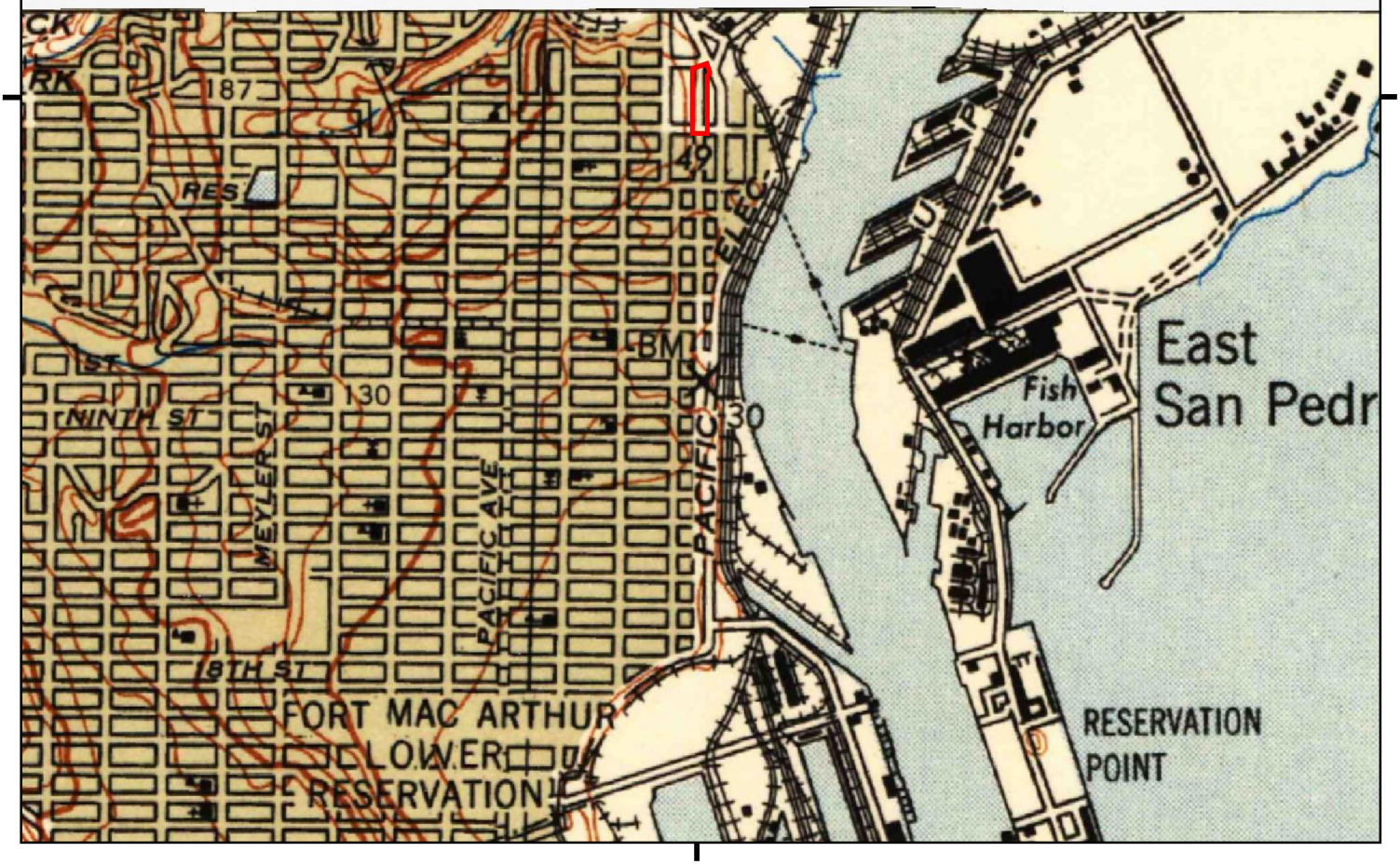
NW N NE
W E
SW S SE

TP, SAN PEDRO, 1946, 15-minute
NW, REDONDO, 1948, 15-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Pedro, 1944, 15-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

Historical Topo Map

1925



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

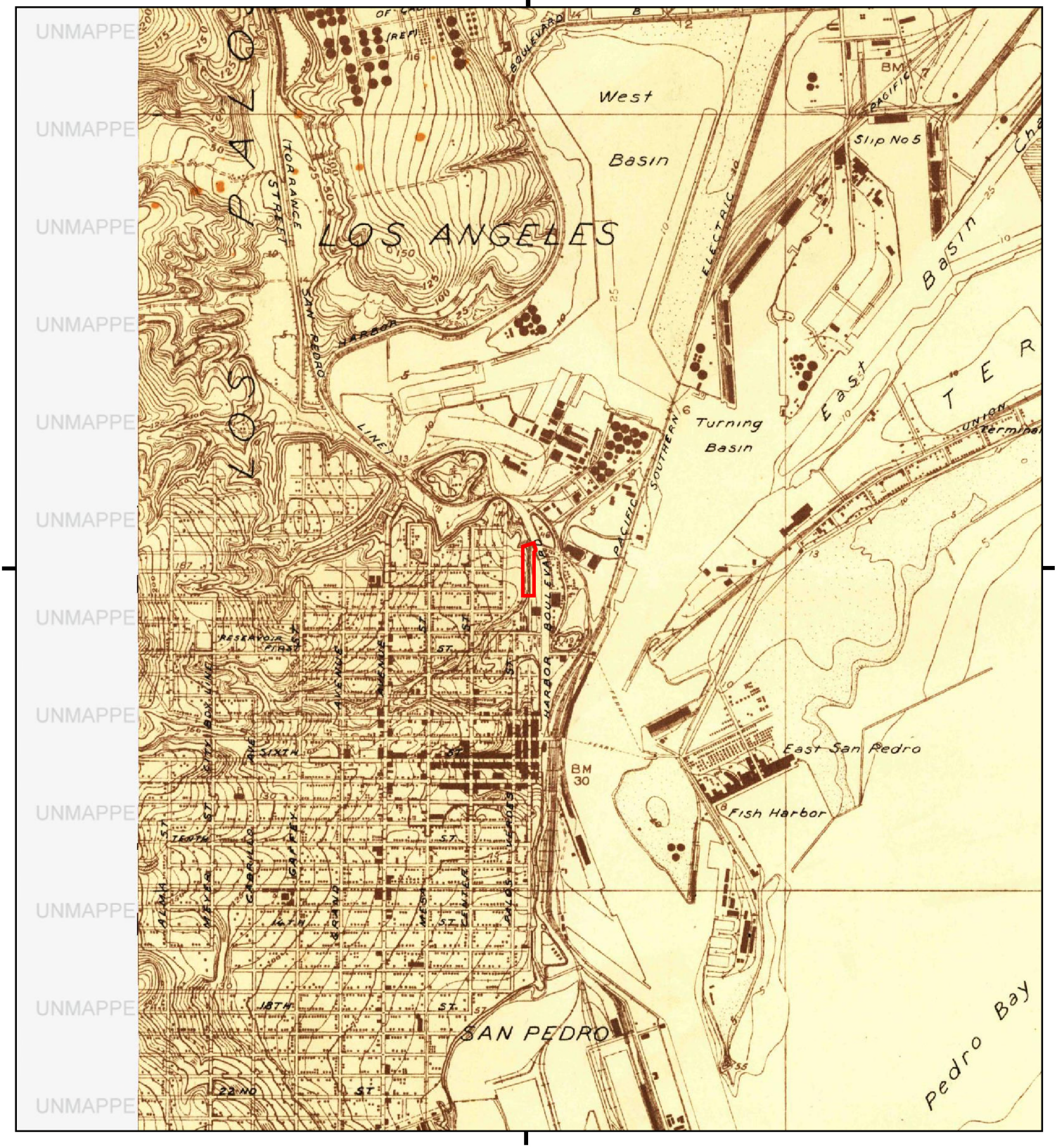
TP, Wilmington, 1925, 7.5-minute
W, San Pedro Hills, 1925, 7.5-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

Historical Topo Map

1923



This report includes information from the following map sheet(s).

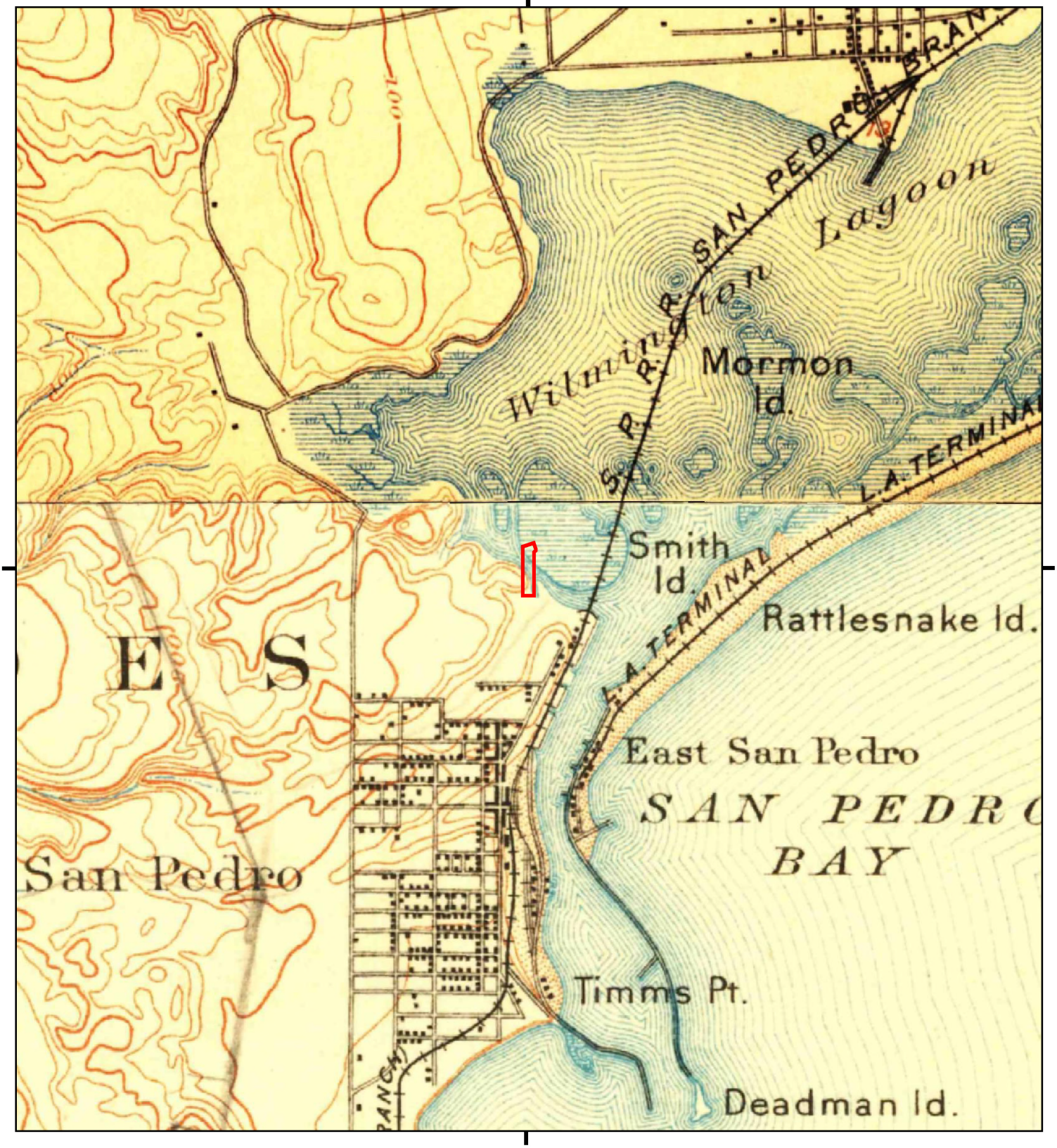
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington, 1923, 7.5-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Pedro, 1896, 15-minute
NW, Redondo, 1896, 15-minute

SITE NAME: LABOE Beacon St San Pedro
ADDRESS: 515 N Beacon St
San Pedro, CA 90731
CLIENT: AECOM

N

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731

Inquiry Number: 5450134.5
October 11, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by
infoUSA®
Copyright©2008
All Rights Reserved

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Pacific Bell Telephone	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	Pacific Telephone	-	X	X	-
1964	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	X	X	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
407 N Beacon St	Client Entered	
421 N Beacon St	Client Entered	
437 N Beacon St	Client Entered	
110 O'Farrell St	Client Entered	X
114 O'Farrell St	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

515 N Beacon St
San Pedro, CA 90731

FINDINGS DETAIL

Target Property research detail.

N BEACON

515 N BEACON

Year	Uses	Source
1986	LOUISIANA-PACIFIC CORPORATION SAN PEDRO	Pacific Bell
1981	LOUISANA-PACIFIC CORPORATION SOUTHERN CALIFORNIA DISTRIBUTION DIVISION AND	Pacific Telephone

N Beacon St

407 N Beacon St

Year	Uses	Source

421 N Beacon St

Year	Uses	Source

437 N Beacon St

Year	Uses	Source

N BEACON ST

515 N BEACON ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	Contractor Yards	Pacific Bell
	LOUISIANA PACIFIIC CORPORATION SOUTHERN CALIFORNIA DISTRIBUTION DIVISION	Pacific Bell
1980	LOUISIANA-PACIFIC CORPORATION	Pacific Telephone

Year	Uses	Source
1976	WOOD E K LUMBER & SUPPLY CO	Pacific Telephone
1964	WOOD E K LUMBER & SUPPLY CO	Pacific Telephone
1960	WOOD E K LUMBER & SUPPLY CO	Pacific Telephone

O'Farrell St

110 O'Farrell St

Year	Uses	Source
1990	E-Z DRIVING SCHOOL	Pacific Bell
	GOERLITZ JOHN JR	Pacific Bell
1985	E-Z DRIVING SCHOOL	Pacific Bell
	EASY DRIVING SCHOOL	Pacific Bell
	GOERLITZ JOHN JR	Pacific Bell
1980	EASY DRIVING SCHOOL	Pacific Telephone
	GOERLITZ JOHN JR	Pacific Telephone
1975	E-Z DRIVING SCHOOL	Pacific Telephone
	EASY DRIVING SCHOOL	Pacific Telephone
	GOERLITZ JOHN JR	Pacific Telephone
1970	E-Z DRIVING SCHOOL	Pacific Telephone
	EASY DRIVING SCHOOL	Pacific Telephone
	GOERLITZ JOHN JR	Pacific Telephone

114 O'Farrell St

Year	Uses	Source

OFARRELL W

110 OFARRELL W

Year	Uses	Source
1990	E-Z DRIVING SCHOOL	Pacific Bell
	GOERLITZ JOHN JR	Pacific Bell

W OFARRELL ST

110 W OFARRELL ST

Year	Uses	Source
1985	E-Z DRIVING SCHOOL	Pacific Bell
	EASY DRIVING SCHOOL	Pacific Bell
	GOERLITZ JOHN JR	Pacific Bell

FINDINGS

Year	Uses	Source
1980	EASY DRIVING SCHOOL	Pacific Telephone
	GOERLITZ JOHN JR	Pacific Telephone
1975	E-Z DRIVING SCHOOL	Pacific Telephone
	EASY DRIVING SCHOOL	Pacific Telephone
	GOERLITZ JOHN JR	Pacific Telephone
1970	E-Z DRIVING SCHOOL	Pacific Telephone
	EASY DRIVING SCHOOL	Pacific Telephone
	GOERLITZ JOHN JR	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

AMAR

227 AMAR

Year	Uses	Source
1990	ACERO ARMANDO	Pacific Bell

233 AMAR

Year	Uses	Source
1990	NEEL PATRICK D	Pacific Bell

237 AMAR

Year	Uses	Source
1990	ESQUIVEL ODILON H	Pacific Bell
1924	Courad Jas longshoremn h	Los Angeles Directory Co.

247 AMAR

Year	Uses	Source
1990	LEE LARENDA R	Pacific Bell

249 AMAR

Year	Uses	Source
1990	HERNANDEZ MARTIN	Pacific Bell

251 AMAR

Year	Uses	Source
1990	SANCHEZ JOSE	Pacific Bell

257 AMAR

Year	Uses	Source
1995	GARCIA ELVIA	Pacific Bell
1990	FLORES BENJAMIN Z	Pacific Bell

BEACON N

508 BEACON N

Year	Uses	Source
1995	INTERNATIONAL PAINT CO CALIF INC LOS	Pacific Bell

Year	Uses	Source
1995	UNISERVICE AMERICAS	Pacific Bell
1990	INTERNATIONAL PAINT CO CALIF INC LOS	Pacific Bell
	C-WORTHY SPECIALTIES	Pacific Bell
	VECOM U S A INC	Pacific Bell

HARBOR BLVD N

407 HARBOR BLVD N

Year	Uses	Source
1990	LITTLE FISHERMAN	Pacific Bell

411 HARBOR BLVD N

Year	Uses	Source
1995	201 DIVERSIFIED TRANSPORTATION SERVICES INC	Pacific Bell
	301 RENERGY INTERNATIONAL	Pacific Bell
	300 KAISER INTERNATIONAL CORP	Pacific Bell
	203 ENVIRONMENTAL DIGEST	Pacific Bell

435 HARBOR BLVD N

Year	Uses	Source
1995	C APOSTOLIC ASSEMBLY IGLESIA APOSTOLICA	Pacific Bell
	A SOUTH BAY SILK SCREENING	Pacific Bell
	A MEDINAS PLUMBING CO	Pacific Bell
	E V & R SEAMAN CENTER	Pacific Bell
	F UNIVERSE ELECTRONIC	Pacific Bell
1990	E V & R SEAMAN CENTER	Pacific Bell

525 HARBOR BLVD N

Year	Uses	Source
1995	CAPTAIN KIRKS WINDSURFING	Pacific Bell
	O D T VIDEOS	Pacific Bell
	CUSTOM CANVAS OF SAN PEDRO	Pacific Bell
1990	CUSTOM CANVAS OF SAN PEDRO	Pacific Bell
	SAN PEDRO SAIL BOARDS	Pacific Bell
	O D T VIDE0S	Pacific Bell

FINDINGS

661 HARBOR BLVD N

Year	*Uses*	*Source*
1995	138 SCHAUT R	Pacific Bell
	130 LOWERY RANDY JR	Pacific Bell
	1 MERRIFIELD RICHARD E	Pacific Bell
	40 SAMOAN SEA APARTMENTS	Pacific Bell
	45 DRAGOVCIC ZDRAVKO	Pacific Bell
	46 KIN SU OK	Pacific Bell
	63 HAINEY MARTIN D	Pacific Bell
	67 BENNETT DAVID A	Pacific Bell
	68 VILEGAS DAVID	Pacific Bell
	70 NUNEZ CHRISTINE	Pacific Bell
	80 HORMELL GARY	Pacific Bell
	86 ASTOR MARSHALL	Pacific Bell
	93 KEE HO JUN	Pacific Bell
	101 BISHOP KEN	Pacific Bell
	129 JACKSON WILLIAM T	Pacific Bell
1990	5 DUNN JAMES E	Pacific Bell
	9 GORMAN L	Pacific Bell
	10 GEYER LARRY	Pacific Bell
	11 APOLINAR MIKE	Pacific Bell
	13 SANDERS JOHN	Pacific Bell
	14 WORLEY WES	Pacific Bell
	16 MERCADO JORGE & MAYRA	Pacific Bell
	17 DANDRLDGE MARILYN D	Pacific Bell
	18 BELL ROBERT & TERISSIA	Pacific Bell
	19 STREETER T P	Pacific Bell
	21 SMITH K	Pacific Bell
	25 BROWN ANTHONY	Pacific Bell
	28 WRIGHT LEE	Pacific Bell
	30 ROSEMOND M & R	Pacific Bell
	31 RICCHIUTO ANTONIO	Pacific Bell
	33 MERRIFIELD RICHARD E	Pacific Bell
	35 OWENS GEORGIA	Pacific Bell
	40 ROBINSON HOWARD J	Pacific Bell
	40 SAMOAN SEA APARTMENTS	Pacific Bell
	41 GABEL JOHN R	Pacific Bell
	44 VALENCIA GEORGE & MARY	Pacific Bell
	53 MCLAUGHLIN M	Pacific Bell

FINDINGS

Year	Uses	Source
1990	67 MAULDIN ERIC & DEJUANA	Pacific Bell
	72 ONDEIKO JOHN	Pacific Bell
	78 BROWN ROBERT M	Pacific Bell
	79 REYES ARMANDO	Pacific Bell
	80 HORMELL GARY	Pacific Bell
	81 SMITH CHAS & PAT	Pacific Bell
	82 HAWKINS LLOYD	Pacific Bell
	91 BAUMES JOHN & AMY JR	Pacific Bell
	93 LENNON ROBT	Pacific Bell
	96 MACK WINSTON	Pacific Bell
	97 BORRERO ANDRE & LISA	Pacific Bell
	102 HINSDALE KENNETH & TRACY	Pacific Bell
	106 NOBLE FREDDIE	Pacific Bell
	112 BOOKER LAVON	Pacific Bell
	120 ROSBOROUGH LEON	Pacific Bell
	124 LINDSEY STERLING	Pacific Bell
	134 COLVIN INGRID	Pacific Bell
	135 TICHELKAMP PAUL & JODI	Pacific Bell
	138 SCHAUT R	Pacific Bell
	148 EIJERS LEONARD F	Pacific Bell
	1 CARSON W A	Pacific Bell
	2 SPANDE RUSSELL D	Pacific Bell

N Beacon St

345 N Beacon St

Year	Uses	Source
2014	MARINE HARDWARE	EDR Digital Archive
	BF WEB EXPRESS	EDR Digital Archive
	ICON INTERNATIONAL INC	EDR Digital Archive
	BF WEB EXPRESS	EDR Digital Archive
	MARINE HARDWARE	EDR Digital Archive
	ICON INTERNATIONAL INC	EDR Digital Archive
2010	ICON INTERNATIONAL INC	EDR Digital Archive
	BF WEB EXPRESS	EDR Digital Archive
	ICON INTERNATIONAL INC	EDR Digital Archive
	BF WEB EXPRESS	EDR Digital Archive

FINDINGS

N BEACON ST

508 N BEACON ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	International Paint Co California Inc Southern California Division	Pacific Bell
	INTERNATIONAL PAINT CO CALIF INC LOS ANGELES DIV	Pacific Bell
	INTERNATIONAL PAINT CO CAUF INC LOS ANGELES DIV	Pacific Bell
1980	INTERNATIONAL PAINT CO CALIF INC LOS ANGELES DIV	Pacific Telephone
	International Paint Co California Inc Southern California Division	Pacific Telephone
1975	International Paint Co California Inc Southern California Division	Pacific Telephone
1970	SUMCO PRODUCTS AGCY	Pacific Telephone
	INTERNATIONAL PAINT CO CALIF INC SO CALIF DIV	Pacific Telephone
1964	SUMCO PRODUCTS AGCY	Pacific Telephone
	SUMCO PRODUCTS AGCY	Pacific Telephone
1960	SUMCO PRODUCTS AGCY	Pacific Telephone
	INTERNATL MARINE PAINT AGCY	Pacific Telephone
	INTERNATL MARINE PAINT AGCY	Pacific Telephone
	SUMCO PRODUCTS AGCY	Pacific Telephone
1957	INTERNATL MARINE PAINT AGCY	Pacific Telephone
	SUMCO PRODUCTS AGCY	Pacific Telephone
	SUMCO PRODUCTS AGCY	Pacific Telephone
	INTERNATI MARINE PAINT AGCY	Pacific Telephone
1954	INTERNATI MARINE PAINT AGCY	R. L. Polk & Co.
	INTERNATL MARINE PAINT AGCY	R. L. Polk & Co.
	PEGG ARTHUR R INTERNATI MARINE PAINT AGCY	R. L. Polk & Co.
	SUMCO PRODUCTS AGCY	R. L. Polk & Co.
	SUMCO PRODUCTS AGCY	R. L. Polk & Co.
1950	INTERNATL MARINE PAINT AGCY	Pacific Telephone
	INTERNATI MARINE PAINT AGCY	Pacific Telephone
	PEGG ARTHUR R INTERNATL MARINE PAINT AGCY	Pacific Telephone
	SUMCO PRODUCTS AGCY	Pacific Telephone
	SUMCO PRODUCTS AGCY	Pacific Telephone

FINDINGS

N Front St

500 N Front St

Year	Uses	Source
2010	CUPERTINO ELECTRIC	EDR Digital Archive
	CUPERTINO ELECTRIC	EDR Digital Archive

N FRONT ST

621 N FRONT ST

Year	Uses	Source
1957	ELITE BOAT WKS	Pacific Telephone
	PANKEY ARTHUR C ELITE BOAT WKS	Pacific Telephone
1954	ELITE BOAT WKS	R. L. Polk & Co.
	PANKEY ARTHUR C ELITE BOAT WKS	R. L. Polk & Co.
1950	ELITE BOAT WKS	Pacific Telephone
	PANKEY ARTHUR C ELITE BOAT WKS	Pacific Telephone

635 N FRONT ST

Year	Uses	Source
1957	S& M SHEET METAL WORKS	Pacific Telephone
1954	S & IVM SHEET METAL WORKS	R. L. Polk & Co.
1950	S& M SHEET METAL WORKS	Pacific Telephone

N HARBOR BLVD

402 N HARBOR BLVD

Year	Uses	Source
1935	Myers Bob Grocery	Los Angeles Directory Co.
1929	Cottage Grocery	Los Angeles Directory Co.

406 N HARBOR BLVD

Year	Uses	Source
1950	DE VASQUEZ JUANA P R	Pacific Telephone

N Harbor Blvd

407 N Harbor Blvd

Year	Uses	Source
2014	JFK CNTER FOR CIVIL RIGHTS LLC	EDR Digital Archive
	JFK CNTER FOR CIVIL RIGHTS LLC	EDR Digital Archive

Year	Uses	Source
2010	STICKMAN LLC	EDR Digital Archive
	JFK CNTER FOR CIVIL RIGHTS LLC	EDR Digital Archive
	PORT MEDICAL	EDR Digital Archive
	STICKMAN LLC	EDR Digital Archive
	JFK CNTER FOR CIVIL RIGHTS LLC	EDR Digital Archive
	PORT MEDICAL	EDR Digital Archive

N HARBOR BLVD

407 N HARBOR BLVD

Year	Uses	Source
2001	MICHELCDATEY	Haines & Company, Inc.
1985	LITTLE FISHERMAN	Pacific Bell
1980	CALIFORNIA STATE OF MOTOR VEHICLES DEPT OFFICE LOCATIONS	Pacific Telephone
1975	CALIFORNIA STATE OF MOTOR VEHICLES DEPT DRIVERS LICENSES MOTOR VEHICLE REGI	Pacific Telephone

N Harbor Blvd

411 N Harbor Blvd

Year	Uses	Source
2014	JOHN M CRUIKSHANK CONS INC	EDR Digital Archive
	NORTH HARBOR PROPERTIES LLC	EDR Digital Archive
	EPD CONSTRUCTION	EDR Digital Archive
	FUNDRAISING SERVICES INC	EDR Digital Archive
	BHK CONSULTANTS INC	EDR Digital Archive
	IN -DPTH IMAGING SOLUTIONS LLC	EDR Digital Archive
	YORKTOWN INDUESTRIES INC	EDR Digital Archive
	HONDO 500	EDR Digital Archive
	INTL LONGSHORE & WAREHOUSE	EDR Digital Archive
	EPD CONSTRUCTION	EDR Digital Archive
	BHK CONSULTANTS INC	EDR Digital Archive
	IN -DPTH IMAGING SOLUTIONS LLC	EDR Digital Archive
	FUNDRAISING SERVICES INC	EDR Digital Archive
	YORKTOWN INDUESTRIES INC	EDR Digital Archive
	HONDO 500	EDR Digital Archive
	INTL LONGSHORE & WAREHOUSE	EDR Digital Archive
	MCROBERTS MARITIME SECURITY	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	OCEANEXPRESS SHIPPING LLC	EDR Digital Archive
	FOREMENS JOINT LABOR RELATION	EDR Digital Archive
	INTERNTIONAL LONGSHORE WHSE UN	EDR Digital Archive
	JOHN M CRUIKSHANK CONS INC	EDR Digital Archive
	NORTH HARBOR PROPERTIES LLC	EDR Digital Archive
	MCROBERTS MARITIME SECURITY	EDR Digital Archive
	OCEANEXPRESS SHIPPING LLC	EDR Digital Archive
	FOREMENS JOINT LABOR RELATION	EDR Digital Archive
	INTERNTIONAL LONGSHORE WHSE UN	EDR Digital Archive
2010	FOREMENS JOINT LABOR RELATION	EDR Digital Archive
	INTERNTIONAL LONGSHORE WHSE UN	EDR Digital Archive
	NORTH HARBOR PROPERTIES LLC	EDR Digital Archive
	JOHN M CRUIKSHANK CONS INC	EDR Digital Archive
	A & E RECRUITING	EDR Digital Archive
	FOREMENS JOINT LABOR RELATION	EDR Digital Archive
	INTERNTIONAL LONGSHORE WHSE UN	EDR Digital Archive
	OCEAN EXPRESS	EDR Digital Archive
	HONDO 500	EDR Digital Archive
	INTL LONGSHORE & WAREHOUSE	EDR Digital Archive
	DTM SERVICES INC	EDR Digital Archive
	BHK CONSULTANTS INC	EDR Digital Archive
	EPD CONSULTANTS INC	EDR Digital Archive
	EPD CONSTRUCTION	EDR Digital Archive
	HONDO 500	EDR Digital Archive
	INTL LONGSHORE & WAREHOUSE	EDR Digital Archive
	OCEAN EXPRESS	EDR Digital Archive
	DTM SERVICES INC	EDR Digital Archive
	BHK CONSULTANTS INC	EDR Digital Archive
	EPD CONSULTANTS INC	EDR Digital Archive
	EPD CONSTRUCTION	EDR Digital Archive
	NORTH HARBOR PROPERTIES LLC	EDR Digital Archive
	JOHN M CRUIKSHANK CONS INC	EDR Digital Archive
	A & E RECRUITING	EDR Digital Archive

N HARBOR BLVD

411 N HARBOR BLVD

Year	Uses	Source
2001	CLINICAL PRACTICE	Haines & Company, Inc.

412 N HARBOR BLVD

Year	Uses	Source
1950	BUGARIN JOHN R	Pacific Telephone

414 N HARBOR BLVD

Year	Uses	Source
1950	HERNANDEZ PETE R	Pacific Telephone

418 N HARBOR BLVD

Year	Uses	Source
1950	TERRAZAS BLAZ R	Pacific Telephone

421 N HARBOR BLVD

Year	Uses	Source
1980	OLYMPIC RESTAURANT LOS ANGELES	Pacific Telephone

424 N HARBOR BLVD

Year	Uses	Source
1950	AGUIRRE JOSE R	Pacific Telephone

426 N HARBOR BLVD

Year	Uses	Source
1950	SOTO FRAN R	Pacific Telephone

431 N HARBOR BLVD

Year	Uses	Source
1975	GOODWILL INDUSTRIES OF LA HABRA LA HABRA	Pacific Telephone

N Harbor Blvd

435 N Harbor Blvd

Year	Uses	Source
2014	V & R SEAMANS CENTER	EDR Digital Archive
	SEABORN CANVAS	EDR Digital Archive
	V & R SEAMANS CENTER	EDR Digital Archive

Year	Uses	Source
2014	SEABORN CANVAS	EDR Digital Archive
2010	SEABORN CANVAS	EDR Digital Archive
	V & R SEAMANS CENTER	EDR Digital Archive
	4AS CARGO INC	EDR Digital Archive
	SEABORN CANVAS	EDR Digital Archive
	4AS CARGO INC	EDR Digital Archive
	V & R SEAMANS CENTER	EDR Digital Archive

N HARBOR BLVD

435 N HARBOR BLVD

Year	Uses	Source
2001	SEABORN CANVAS	Haines & Company, Inc.

438 N HARBOR BLVD

Year	Uses	Source
1950	FELIX UBALDINA S R	Pacific Telephone
1935	Small W H r	Los Angeles Directory Co.

440 N HARBOR BLVD

Year	Uses	Source
1960	PRONTO MKT NO 4 LA HABRA	Pacific Telephone

451 N HARBOR BLVD

Year	Uses	Source
1975	LOS ANGELESHABRA CYCLERY BYCLS LA HABRA	Pacific Telephone

N Harbor Blvd

501 N Harbor Blvd

Year	Uses	Source
2010	CAMWAY INC	EDR Digital Archive
	UNIVERSE ELECTRONIC	EDR Digital Archive
	CAMWAY INC	EDR Digital Archive
	UNIVERSE ELECTRONIC	EDR Digital Archive

N HARBOR BLVD

501 N HARBOR BLVD

Year	Uses	Source
1975	ANDY JONES AGCY INS LA HABRA	Pacific Telephone
	JONES ANDY AGGY INS LA HABRA	Pacific Telephone

509 N HARBOR BLVD

Year	Uses	Source
1975	ESE CALIFORNIA LA HABRA	Pacific Telephone

N Harbor Blvd

525 N Harbor Blvd

Year	Uses	Source
2014	ODT INC	EDR Digital Archive
	CAPTAIN KIRKS INC	EDR Digital Archive
	CAPTAIN KIRKS INC	EDR Digital Archive
	ODT INC	EDR Digital Archive
2010	ODT INC	EDR Digital Archive
	JOHNNY AIR CARGO	EDR Digital Archive
	TRAVELERS CHOICE	EDR Digital Archive
	CAPTAIN KIRKS INC	EDR Digital Archive
	NAUTICAL X INC	EDR Digital Archive
	CAPTAIN KIRKS INC	EDR Digital Archive
	ODT INC	EDR Digital Archive
	JOHNNY AIR CARGO	EDR Digital Archive
	TRAVELERS CHOICE	EDR Digital Archive
	NAUTICAL X INC	EDR Digital Archive

N HARBOR BLVD

525 N HARBOR BLVD

Year	Uses	Source
2001	CAPTAIN KIRKS	Haines & Company, Inc.
1995	San Pedro Sail Boards Geothermal & Gravity Sports	Pacific Bell
1985	TRADER RIX EXOTIC GIFTS	Pacific Bell
	MARIA S DRAPERIES	Pacific Bell
	CARTOON JUNCTION	Pacific Bell
1950	SUNSET SERV	Pacific Telephone

FINDINGS

529 N HARBOR BLVD

Year	Uses	Source
1980	DLSON FOREST E INC REALTORS	Pacific Telephone

600 N HARBOR BLVD

Year	Uses	Source
1995	STRAND MIKE	Pacific Bell
	Russell J	Pacific Bell
	MCCLELLAND MARCY	Pacific Bell
1985	CARNEY JEAN B LA HABRA	Pacific Bell
1980	HAWES KENNETH D LA HABRA	Pacific Telephone
1975	TROY EDWIN LA HABRA	Pacific Telephone
	THOMPSON TERRNCE LA HABRA	Pacific Telephone
	TROY EDWIN LA HABRA	Pacific Telephone
	NEVILLE K LA HABRA	Pacific Telephone
	NETTIE GEO LA HABRA	Pacific Telephone
	MURPHY JOHN LA HABRA	Pacific Telephone
	DE LUCA ALFRED G LA HABRA	Pacific Telephone
	BLUNDEN LARRY LA HABRA	Pacific Telephone
	BLUMER P LA HABRA	Pacific Telephone

609 N HARBOR BLVD

Year	Uses	Source
2001	WILLIAMS INSURANCE	Haines & Company, Inc.

619 N HARBOR BLVD

Year	Uses	Source
1995	Brian Scott General Contractor	Pacific Bell

630 N HARBOR BLVD

Year	Uses	Source
1950	VAN & DAVE S SEW STANTON	Pacific Telephone

641 N HARBOR BLVD

Year	Uses	Source
1960	LITTLE SHIP CAFE	Pacific Telephone
1957	LITTLE SHIP CAFE	Pacific Telephone
1954	LITTLE SHIP CAFE	R. L. Polk & Co.
1950	LITTLE SHIP CAFE	Pacific Telephone

FINDINGS

650 N HARBOR BLVD

Year	Uses	Source
1954	WOOD E K LUMBR & SUPPLY CO	R. L. Polk & Co.
1950	WOOD E K LUMBR & SUPPLY CO	Pacific Telephone
1924	Van & Davies Service Station E H Van Harlingen D E Davies Bert Van Harlingen	Los Angeles Directory Co.

660 N HARBOR BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	MIKE S RICHFIELD SERVICE	Pacific Telephone

661 N HARBOR BLVD

Year	Uses	Source
2001	WANSERNeil	Haines & Company, Inc.
1985	ALVAREZ ERASTO	Pacific Bell
	BAKER M	Pacific Bell
	BAUTISTA ALEJANDRO U	Pacific Bell
	BERKEBILE KENNETH P	Pacific Bell
	BOOKER LAVON	Pacific Bell
	BROWN RACHANE	Pacific Bell
	BROWNING D L	Pacific Bell
	CHAIREZ L	Pacific Bell
	DIAZ CEFERINO	Pacific Bell
	DORN VINCENT & MELONY	Pacific Bell
	DURAN ANITA G	Pacific Bell
	EILERS LEONARD F	Pacific Bell
	ESPARZA RAYMOND	Pacific Bell
	EVANS W L	Pacific Bell
	FOBBS BOBBY	Pacific Bell
	GABEL JOHN R	Pacific Bell
	GALLEGOS T A	Pacific Bell
	GILES RODNEY	Pacific Bell
	HAWKINS LLOYD	Pacific Bell
	HENSLEY STEVEN	Pacific Bell
	HILLER ALAN B	Pacific Bell
	HORMELL GARY	Pacific Bell
	HUNTER PAUL	Pacific Bell
	KLUSENER DONALD F	Pacific Bell
	LATHROPE LAWRENCE R	Pacific Bell

FINDINGS

Year	Uses	Source
1985	LENNON ROBT	Pacific Bell
	LICEAGA EDUARDO	Pacific Bell
	MATHOUSER ROBERT	Pacific Bell
	MEDINA ALBERTO G	Pacific Bell
	MERRIFIELD RICHARD E	Pacific Bell
	MONTEZ RALPH & KAREN	Pacific Bell
	NORMAN C M	Pacific Bell
	POOLPUONG P	Pacific Bell
	RISTEVSKI PECO	Pacific Bell
	ROBINSON HOWARD J	Pacific Bell
	SCHREINER FREDDA U	Pacific Bell
	SHAVER KEN & VIVIAN	Pacific Bell
	SIMMONS S & K	Pacific Bell
	SKINNER OTTO U	Pacific Bell
	SOSA JESUS	Pacific Bell
	SOTO U	Pacific Bell
	STAPLES ELVEN L	Pacific Bell
	STEELMAN VICKI	Pacific Bell
	SUESS DON J	Pacific Bell
	SWAIN LEBRON & MICHELE	Pacific Bell
	THOMS M W	Pacific Bell
	VALDES ROGELIO	Pacific Bell
	WEAVER HERBERT	Pacific Bell
	WELLS BENJAMIN F JR & MICHELE	Pacific Bell
	WHITE GLADYS L	Pacific Bell
	WILLIAMS JAS	Pacific Bell
	WILLIAMS JAS & GEORGETTE	Pacific Bell
	WINCER WENDELL	Pacific Bell
	WOOD ORIN JIM	Pacific Bell
	WOOLFORK NORMAN	Pacific Bell
	YEE SIN JUANITA	Pacific Bell
	ZIMMERLING THOMAS L	Pacific Bell
1980	ANDERSON RANDY	Pacific Telephone
	BAKER M	Pacific Telephone
	BLANCHFIELD JOHN	Pacific Telephone
	BLEVINS ALFRED A JR	Pacific Telephone
	BOHNE STEVE	Pacific Telephone
	BRAMA LESIA	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	BROCKWAY ROSE	Pacific Telephone
	COTTRELL JOHNNI	Pacific Telephone
	CROSBY LISA	Pacific Telephone
	DAVY JOHN B	Pacific Telephone
	DURHAM RUTH	Pacific Telephone
	EILERS LEONARD F	Pacific Telephone
	FISTONICH DRAGAN	Pacific Telephone
	HAWKINS LLOYD	Pacific Telephone
	HERNANDEZ RICHARD	Pacific Telephone
	HORVATH JOS	Pacific Telephone
	JOHNSON MEIVIN S	Pacific Telephone
	KENT DOUGLAS	Pacific Telephone
	KLUSENER DONALD F	Pacific Telephone
	LATHROPE LAWRENCE R	Pacific Telephone
	LENNON ROBT	Pacific Telephone
	MARCH EUGENE	Pacific Telephone
	MARDESICH ANDJELKO MITCH	Pacific Telephone
	MARK ROBT W	Pacific Telephone
	MICHAELS ROBT	Pacific Telephone
	GRAY CHAS L	Pacific Telephone
	MIDDLETON MICHAEL	Pacific Telephone
	MOODY FRANK	Pacific Telephone
	MUNOZ CARLOS	Pacific Telephone
	NILSEN JAN LEO	Pacific Telephone
	PESA ZDENKO	Pacific Telephone
1975	AMERICA S BEAUTIFUL CITIES	Pacific Telephone
	BAILEY JOS	Pacific Telephone
	BLOW JOHN CARL	Pacific Telephone
	BRUNTON NEWLYN	Pacific Telephone
	CHAMBERS RONALD	Pacific Telephone
	CONSTANTINE G T	Pacific Telephone
	COOK JOS	Pacific Telephone
	CRISS LARRY M	Pacific Telephone
	EILERS LEONARD F	Pacific Telephone
	EMBER CHAS J	Pacific Telephone
	FARRIS GEO PAUL	Pacific Telephone
	FARVER WM	Pacific Telephone
	FONTANA J	Pacific Telephone

Year	Uses	Source
1975	FOUR SEASONS GARDENS	Pacific Telephone
	GIULIANI Q C	Pacific Telephone
	GREENFIELD JIM	Pacific Telephone
	HEBERT GEORGINE	Pacific Telephone
	HERIFORD JOHN	Pacific Telephone
	HERRON JOHN	Pacific Telephone
	IZOR RUSS	Pacific Telephone
	LAWRENCE DOUGLAS C	Pacific Telephone
	LENNON ROBT	Pacific Telephone
	MAES LOUIS	Pacific Telephone
	MANKIN E TOM	Pacific Telephone
	MARTIN MARIE	Pacific Telephone
	MAXIE DELOLS	Pacific Telephone
	MORRIS G SCOTT	Pacific Telephone
	NITCH HAL	Pacific Telephone
	PFAFF LANCE	Pacific Telephone

691 N HARBOR BLVD

Year	Uses	Source
2001	SAMOANSEAAPTS	Haines & Company, Inc.
	AGUILARIns B	Haines & Company, Inc.
	BATCHLOR Randolph	Haines & Company, Inc.

N PALOS VERDES ST

400 N PALOS VERDES ST

Year	Uses	Source
2001	SNUNEZJose	Haines & Company, Inc.
1985	BARELA FRANK M	Pacific Bell
1980	BARELA FRANK M	Pacific Telephone
1975	BARELA FRANK M	Pacific Telephone
1970	HARTMAN AUDREY	Pacific Telephone
1960	CLARKE JOS A	Pacific Telephone
1957	CASIACHO RUBENF	Pacific Telephone
1950	KTARRN JOHN S R	Pacific Telephone

402 N PALOS VERDES ST

Year	Uses	Source
2001	GONZALEZBlanc O	Haines & Company, Inc.
1970	LOUGHRY HOWARD D JR	Pacific Telephone

Year	Uses	Source
1960	KING MICHAEL	Pacific Telephone
1954	WILCOX C V R	R. L. Polk & Co.
1950	WIICOX C VR	Pacific Telephone

403 N PALOS VERDES ST

Year	Uses	Source
2001	ESPARZAMaria	Haines & Company, Inc.
1964	PARRA MANUEL R	Pacific Telephone

404 N PALOS VERDES ST

Year	Uses	Source
2001	GONZALEZIsrael L	Haines & Company, Inc.
1950	ANTOLOS JOS R	Pacific Telephone

405 N PALOS VERDES ST

Year	Uses	Source
2001	CORTESJose Nellall	Haines & Company, Inc.
1985	TORRES LARRY & SHIRLEY	Pacific Bell
1975	BRUCELAS JOE	Pacific Telephone
1970	BRUCELAS JOE	Pacific Telephone
1954	ERO EMEDIO R	R. L. Polk & Co.
1950	CASSIS MARY R	Pacific Telephone
	HALL GEO R	Pacific Telephone
1935	Cassis Jim r	Los Angeles Directory Co.
1924	Cassis Jas h	Los Angeles Directory Co.
	Mussatti Tony r	Los Angeles Directory Co.

N Palos Verdes St

406 N Palos Verdes St

Year	Uses	Source
2010	AFFORDACOM TELECOM COMMUNICATI	EDR Digital Archive
	AFFORDACOM TELECOM COMMUNICATI	EDR Digital Archive

N PALOS VERDES ST

406 N PALOS VERDES ST

Year	Uses	Source
2001	SEVILLAEduardo	Haines & Company, Inc.

Year	Uses	Source
2001	SEVILLAJesus	Haines & Company, Inc.
1985	CASTANEDA PORFIRIO	Pacific Bell
1980	CASTANEDA PORFIRIO	Pacific Telephone
1957	SUNIKA VINCE	Pacific Telephone
1954	ROMERO SANTOS R	R. L. Polk & Co.

407 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	TOMPONG ISIDRO	Pacific Telephone
1960	TOMPONG ISIDRO	Pacific Telephone
1957	TOMPONG ISIDRO	Pacific Telephone
1954	GALAPON NORBERTO C R	R. L. Polk & Co.
1950	PHELPS FLORENCE R	Pacific Telephone

N Palos Verdes St

408 N Palos Verdes St

Year	Uses	Source
2014	AES PLUMBING	EDR Digital Archive
	AES PLUMBING	EDR Digital Archive
2010	AES PLUMBING	EDR Digital Archive
	AES PLUMBING	EDR Digital Archive

N PALOS VERDES ST

408 N PALOS VERDES ST

Year	Uses	Source
1980	LOPEZ TERESA	Pacific Telephone
1970	ANTOLOS BOROS	Pacific Telephone
1960	CIMINO JERRY	Pacific Telephone
1957	CIMINO JERRY	Pacific Telephone
1950	DANZIS SIDNEY W R	Pacific Telephone

410 N PALOS VERDES ST

Year	Uses	Source
1970	SUNJKA J	Pacific Telephone
1960	SUNIKA J	Pacific Telephone
1957	SUNJKA J	Pacific Telephone
1954	SUINJKA J R	R. L. Polk & Co.

FINDINGS

412 N PALOS VERDES ST

Year	Uses	Source
2001	SWRIGHTMarc	Haines & Company, Inc.
1964	GRGAS VINCENT	Pacific Telephone
1960	GRGAS VINCENT	Pacific Telephone
1950	YONKO MARY V R	Pacific Telephone

414 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	ECHAVE CARLOS	Pacific Telephone
1964	ALVAREZ JERRY V	Pacific Telephone
1960	LUERA GLORIA	Pacific Telephone
1957	LUERA EDW R	Pacific Telephone
1954	CARSON DRENNEN E	R. L. Polk & Co.
1950	KISNER LOUIS R	Pacific Telephone

416 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	SAUERS JAMES C	Pacific Bell
1960	MARQUEZ AGUSTIN A	Pacific Telephone
1954	FIGARELLI L MRS	R. L. Polk & Co.
1950	BARONCINI MARY	Pacific Telephone

417 N PALOS VERDES ST

Year	Uses	Source
2001	APARTMENTS CABREJOLaura	Haines & Company, Inc.
	SALVAREZHe Imimo	Haines & Company, Inc.
	APARTMENTS CABREJOLaura	Haines & Company, Inc.
1985	MACIAS ALICIA	Pacific Bell
	AJNAEL CARLOS V	Pacific Bell
	LLAMAS ROSA	Pacific Bell
	LOBOS SYLVIA	Pacific Bell
1980	AGUILAR BENJAMIN	Pacific Telephone
	GONZALEZ RAMON RUIZ	Pacific Telephone
	ILLAN JUAN G	Pacific Telephone
1975	GONZALES RICARDO	Pacific Telephone
	GONZALEZ LUIS ROLANDO	Pacific Telephone
	MAES E J	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	PESCUA LEO	Pacific Telephone
1970	DURR HENRY E JR	Pacific Telephone
	FLORES ESTEBAN C	Pacific Telephone
	ORTIZ J L	Pacific Telephone
	PESCUA LED	Pacific Telephone
	SPANGLER KENNETH	Pacific Telephone
1964	BAER RALPH	Pacific Telephone
	ORTIZ J L	Pacific Telephone
1960	HOTEL V	Pacific Telephone
	PASCUA LEO D	Pacific Telephone
1957	HOTEL V	Pacific Telephone
	DYE WM W	Pacific Telephone
	PASCUA LEO D	Pacific Telephone
1954	DYEWM W	R. L. Polk & Co.
	HOTEL V	R. L. Polk & Co.
	PDSCUA LEO D	R. L. Polk & Co.
1950	HOTEL V	Pacific Telephone
	PASCUA LEO 0 R	Pacific Telephone
1935	Hillcrest Hotel	Los Angeles Directory Co.

418 N PALOS VERDES ST

Year	Uses	Source
1980	CHAIREZ JESSIE	Pacific Telephone
1964	GONZALEZ NICK	Pacific Telephone
	GONZALEZ GLORIA	Pacific Telephone
1960	CHAVEZ EMILIO V	Pacific Telephone

420 N PALOS VERDES ST

Year	Uses	Source
1985	MONTEZ ARNOLFO	Pacific Bell
1980	MONTEZ ARNOLFO	Pacific Telephone
1970	LINARES JORGE	Pacific Telephone
1964	HERRERA ENRIQUE	Pacific Telephone
1960	ERICKSON RAYMOND M	Pacific Telephone
1954	BECKERING FRANK	R. L. Polk & Co.
1950	WOMMACK EDW F R	Pacific Telephone

FINDINGS

422 N PALOS VERDES ST

Year	Uses	Source
1985	OLMOS JOSEFINA A	Pacific Bell
	LOPEZ MARIO	Pacific Bell
1975	HENAO CAMILO	Pacific Telephone
1970	OMECTIN CONRAD JR	Pacific Telephone
1964	GONZALES PABLO	Pacific Telephone
1954	HARALSON CARL C SR R	R. L. Polk & Co.
1950	HARALSON CARL C SR R	Pacific Telephone

424 N PALOS VERDES ST

Year	Uses	Source
1985	LEAL JESSE OLGUIN	Pacific Bell
1975	GARCIA PEDRO	Pacific Telephone
1964	BABAYCO T	Pacific Telephone
1960	BABAYCO T	Pacific Telephone
1957	BABAYCO T	Pacific Telephone
1954	BABAYCO T R	R. L. Polk & Co.
1950	BUSHER VINSON M R	Pacific Telephone

426 N PALOS VERDES ST

Year	Uses	Source
1960	RIVAS MANUEL	Pacific Telephone
1957	NOLAN LAURA A	Pacific Telephone
1954	JORDAN MARSHALL C	R. L. Polk & Co.
1950	WATSON RETIA GR	Pacific Telephone

428 N PALOS VERDES ST

Year	Uses	Source
1985	CAMACHO MARIANO	Pacific Bell
1980	CAMACHO RAFAEL	Pacific Telephone
1975	NAVA MAURITIA	Pacific Telephone
1964	ARMIJO VIRGINIA	Pacific Telephone
	ARMIJO JERRY	Pacific Telephone
1960	GARCIA LILLIAN M	Pacific Telephone

430 N PALOS VERDES ST

Year	Uses	Source
1980	FIERRO FAUSLINO	Pacific Telephone
1970	OCAMPO GILBERT	Pacific Telephone
1950	SOFFER DAVID RR	Pacific Telephone

FINDINGS

431 N PALOS VERDES ST

Year	Uses	Source
1985	ORNELAS CORINNE MRS	Pacific Bell
1957	PEREZ RAY	Pacific Telephone
1954	PEREZ EDW E MRS R	R. L. Polk & Co.
1950	PEREZ EDW E MRS R	Pacific Telephone

432 N PALOS VERDES ST

Year	Uses	Source
1975	LAMUG BETTY	Pacific Telephone
1970	LAMUG BETTY	Pacific Telephone
1964	LAMUG BETTY	Pacific Telephone
1960	WOLVERTON DONALD P	Pacific Telephone
1957	OSTER CELESTA	Pacific Telephone
1954	FOSTER CELESTA R	R. L. Polk & Co.
1950	PACHECO FELIX E R	Pacific Telephone

433 N PALOS VERDES ST

Year	Uses	Source
1975	MILLER R	Pacific Telephone
1960	PEREZ RAY	Pacific Telephone

434 N PALOS VERDES ST

Year	Uses	Source
1980	BANUELOS RAMIRO C	Pacific Telephone
1964	DI SCALA MICHELE	Pacific Telephone
1954	COURTEAU ADEL J	R. L. Polk & Co.

436 N PALOS VERDES ST

Year	Uses	Source
1980	ALVAREZ MANUEL	Pacific Telephone
1960	CAMPBELL PAUL E	Pacific Telephone
1954	CARSON GEO W	R. L. Polk & Co.
1950	ORGAS MIKER	Pacific Telephone

437 N PALOS VERDES ST

Year	Uses	Source
1985	TRUJILLO DELFINO R	Pacific Bell
1970	TRUJILLO ELARIA	Pacific Telephone
	TRUJILLO DELFINO R	Pacific Telephone
1960	JOHNSON I W	Pacific Telephone

Year	Uses	Source
1957	IWINSON GJ	Pacific Telephone
1954	MATHLIN JOHN W R	R. L. Polk & Co.
1950	IVLATHLHI JOHN W R	Pacific Telephone

500 N PALOS VERDES ST

Year	Uses	Source
2001	AGUILERAAberto	Haines & Company, Inc.
1985	AGUILERA ALBERTO	Pacific Bell
1970	ERLANDO MONTANO	Pacific Telephone
1964	MIRAMONTES HENRY R	Pacific Telephone
1960	TAKASHIMA MASAKICHI	Pacific Telephone
1957	TAKASHIMA MASAKICHI	Pacific Telephone
1954	TAKASHLLMA MASAKICHI R	R. L. Polk & Co.
1950	CARPENTER TONY R	Pacific Telephone

502 N PALOS VERDES ST

Year	Uses	Source
1970	HAWKE CHAS MRS	Pacific Telephone
1964	HAWKE CHAS MRS	Pacific Telephone
1960	HAWKE CHAS MRS	Pacific Telephone
1957	HAWKE CHAS MRS	Pacific Telephone
1954	HAWKE CHAS MRS R	R. L. Polk & Co.
1950	HAWKE CHAS MRS R	Pacific Telephone

503 N PALOS VERDES ST

Year	Uses	Source
1985	BORCHARDT WALTER	Pacific Bell
1980	BORCHARDT WALTER	Pacific Telephone
1975	BORCHARDT WALTER	Pacific Telephone
1970	FOLZ VICTORIA E	Pacific Telephone
1960	FOLZ VICTORIA E	Pacific Telephone
1957	FOLZ VICTORIA E F	Pacific Telephone
1954	FOLZ VICTORIA E	R. L. Polk & Co.
1950	FOLZ PAUL L R	Pacific Telephone
1935	Beum J E r	Los Angeles Directory Co.
1924	PRICE R B clk r	Los Angeles Directory Co.

504 N PALOS VERDES ST

Year	Uses	Source
1960	PARR VINCENT	Pacific Telephone

Year	Uses	Source
1957	OGAWA G	Pacific Telephone
1954	OGAWA G	R. L. Polk & Co.
1950	WINTJEN EVERETT R	Pacific Telephone

506 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	BARCOT THOS A JR	Pacific Bell
1980	KETTENRING DON L	Pacific Telephone
1970	BARCOT THOS JR	Pacific Telephone
1964	PARR VINCENT	Pacific Telephone
1957	SPRINGER ROBT F	Pacific Telephone
1954	IVMIYA T	R. L. Polk & Co.
1950	BOWERS GEO A R	Pacific Telephone

508 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	PLANCIA V	Pacific Telephone
1950	HARTER JW MRS R	Pacific Telephone

510 N PALOS VERDES ST

Year	Uses	Source
1985	PLANCIA ROBT L	Pacific Bell
1980	PLANCIA RABRT L	Pacific Telephone
1975	PLANCIA ROBT L	Pacific Telephone
1970	PLANCIA ROBT L	Pacific Telephone
1964	BARNES DAVID L	Pacific Telephone
1960	GRGAS VICTOR	Pacific Telephone
1957	BES MAX	Pacific Telephone
1950	SUKEENA JOHN DR R	Pacific Telephone

N Palos Verdes St

511 N Palos Verdes St

Year	Uses	Source
2010	C AND M PRODUCTS	EDR Digital Archive
	C AND M PRODUCTS	EDR Digital Archive

N PALOS VERDES ST

511 N PALOS VERDES ST

Year	Uses	Source
2001	BLOESER Carmen	Haines & Company, Inc.
1985	HERNANDES RAFAEL	Pacific Bell
	PALOS SECO HOTEL	Pacific Bell
1980	BLOESER ROBT	Pacific Telephone
1975	BLOESER ROBT	Pacific Telephone
1970	BLOESER ROBT	Pacific Telephone
1960	BASULTO MAGDALENA	Pacific Telephone
	BASULTO PEDRO J	Pacific Telephone
	CASILLAS SALVADOR S	Pacific Telephone
	NUNEZ FRANCISCO	Pacific Telephone
1957	MARIN EFREN	Pacific Telephone
	SMITH RAY Z	Pacific Telephone
1954	KORDICH JOE P	R. L. Polk & Co.
1950	MARTINEZ ALBERT R	Pacific Telephone
1937	Draper Frederic A formn City Eng	Los Angeles Directory Co.

512 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	WILLIAMSON MARSHALL F	Pacific Bell
1970	MRYICA SLAVKO	Pacific Telephone
1960	MRVICA SLAVKO	Pacific Telephone

514 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	CABANIT F	Pacific Bell
1980	CABANIT F	Pacific Telephone
1975	CABANIT F	Pacific Telephone
1970	CABANIT F	Pacific Telephone
1964	CABANIT F	Pacific Telephone
1960	CABANIT F	Pacific Telephone
1957	CORREA VIOLET S	Pacific Telephone
1950	SANTOS WM N R	Pacific Telephone

516 N PALOS VERDES ST

Year	Uses	Source
1975	AVILA ADALBERTO MADERA	Pacific Telephone
1957	GRGAS VICTOR	Pacific Telephone
1954	GRGAS VICTOR	R. L. Polk & Co.

518 N PALOS VERDES ST

Year	Uses	Source
2001	LOPEZ Belly	Haines & Company, Inc.
1975	IBARRA IGNACIO	Pacific Telephone
1970	IBARRA IGNACIO	Pacific Telephone
1964	HOWE MARGARET	Pacific Telephone
	HOWE ROBT C	Pacific Telephone

N Palos Verdes St

519 N Palos Verdes St

Year	Uses	Source
2010	CHAZOU ENTERPRISES LLC	EDR Digital Archive
	CHAZOU ENTERPRISES LLC	EDR Digital Archive

N PALOS VERDES ST

519 N PALOS VERDES ST

Year	Uses	Source
2001	CHAVEZRodollo	Haines & Company, Inc.
1985	CHAVEZ MAGDALENA	Pacific Bell
1980	COVARRUBIAS JOSE A	Pacific Telephone
	COVARRUBIAS M	Pacific Telephone
	CHAVEZ MAGDALENA	Pacific Telephone
1975	CHAVEZ R SAN PEDRO	Pacific Telephone
	CHAVEZ MAGDALENA	Pacific Telephone
	HINZ WM F	Pacific Telephone
1970	CHAVEZ MAGDALENA	Pacific Telephone
	CHAVEZ R	Pacific Telephone
	HINZ WM F	Pacific Telephone
1964	CHAVEZ MAGDALENA SAN PEDRO	Pacific Telephone
1960	CHAVEZ MAGDALENA	Pacific Telephone
1957	CHAVEZ MAGDALENA	Pacific Telephone
1954	NEEL CONSUELO	R. L. Polk & Co.

Year	Uses	Source
1950	CHAVEZ CONSUELO R	Pacific Telephone
1924	Ackerman Arthur mach r	Los Angeles Directory Co.
	BENSON John mach r	Los Angeles Directory Co.
	NORRIS Fred longshoremn r	Los Angeles Directory Co.
	Oakerman Arthur mach r	Los Angeles Directory Co.
	Pittinger Bert mach Harbor Machine Wks r	Los Angeles Directory Co.
	Finney Edwd clk San Pedro Creamery Co r	Los Angeles Directory Co.

520 N PALOS VERDES ST

Year	Uses	Source
2001	HERNANDEZSXcorro M	Haines & Company, Inc.
1985	KNOUSE ROBT A	Pacific Bell
1975	ASTORGA CLARA	Pacific Telephone
1964	HARRIS WALTER B	Pacific Telephone
1960	ABELLANA GEO	Pacific Telephone
1957	JONCICH IVO	Pacific Telephone
1950	HOPPER VIRGIE R	Pacific Telephone

522 N PALOS VERDES ST

Year	Uses	Source
1985	BANUELOS LUCERO	Pacific Bell
1980	DE LA PENA J	Pacific Telephone
1970	BYNUM JERRY	Pacific Telephone
1964	PLANCIA ROBT L	Pacific Telephone
	PLANCIA MADALYN	Pacific Telephone
1954	MAEHLARTH J	R. L. Polk & Co.
1950	MAEHL ARTHUR J R	Pacific Telephone

523 N PALOS VERDES ST

Year	Uses	Source
1964	ZUVELA J	Pacific Telephone
1960	ZUVELA J	Pacific Telephone
1957	ZUVELA J	Pacific Telephone
1954	ZUVELA J R	R. L. Polk & Co.
1950	ZUVELA J R	Pacific Telephone
1924	SANDSTROM John E ordermn San Pedro Lmbr Co r	Los Angeles Directory Co.
	JONES Herald E foremn San Pedro Creamery Co h	Los Angeles Directory Co.

524 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	TORRES STEVEN	Pacific Telephone
1960	WATANABE GEO	Pacific Telephone
1957	WATANABE GEO	Pacific Telephone
1954	WATANABE GEO	R. L. Polk & Co.

525 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	BROOKS MYRTLE	Pacific Telephone
1964	BROOKS MYRTLE M	Pacific Telephone
1957	FLARES IGNACIO R	Pacific Telephone
1950	PITTMAN E K R	Pacific Telephone

526 N PALOS VERDES ST

Year	Uses	Source
2001	HERNANDEZ Lellcia 310 X	Haines & Company, Inc.
1964	LEZAJA PASKO	Pacific Telephone
	LEZAJA NILKA	Pacific Telephone
1960	CAMACHO RUBEN	Pacific Telephone
1957	LUERA FRED	Pacific Telephone
1950	FAGE ROBT F R	Pacific Telephone

528 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	LEZAJA FRANK	Pacific Telephone
1970	LEZAJA FRANK	Pacific Telephone
1964	LEZAJA FRANK	Pacific Telephone
1960	LEZAJA FRANK	Pacific Telephone
1957	LEZAJA FRANK	Pacific Telephone
1954	LEZAJA FRANK	R. L. Polk & Co.
1950	SVALINA ANTHONY R	Pacific Telephone

N Palos Verdes St

530 N Palos Verdes St

Year	Uses	Source
2010	RIMOLDI TRUCKING	EDR Digital Archive

Year	Uses	Source
2010	RIMOLDI TRUCKING	EDR Digital Archive

N PALOS VERDES ST

530 N PALOS VERDES ST

Year	Uses	Source
2001	FALCON Salvador	Haines & Company, Inc.
1970	ANTOLOS NIKOLAS	Pacific Telephone
1960	FINLEY RICHARD W	Pacific Telephone
1957	FINLEY RICHARD W	Pacific Telephone
1924	Beum John E Monahan & Beum h	Los Angeles Directory Co.

N Palos Verdes St

532 N Palos Verdes St

Year	Uses	Source
2014	FLANNEL STREET	EDR Digital Archive
	FLANNEL STREET	EDR Digital Archive

N PALOS VERDES ST

532 N PALOS VERDES ST

Year	Uses	Source
2001	ZAETAMer	Haines & Company, Inc.
1985	CANIZALEZ ABEL S	Pacific Bell
1980	CANIZALEZ ABEL S	Pacific Telephone
1975	BARLOS DAVID	Pacific Telephone
1970	JARAMILLO RAYMOND	Pacific Telephone
1964	HABAL JOSE H	Pacific Telephone
1960	ARAGON JOSE E	Pacific Telephone
1957	ARAGON JOSE E	Pacific Telephone
1950	EGNER ROBT L R	Pacific Telephone

534 N PALOS VERDES ST

Year	Uses	Source
1975	PLANCIA V	Pacific Telephone
1970	ANTOLOS IVAN	Pacific Telephone
1964	PARTIDA MICHAEL	Pacific Telephone
1960	ANTOLOS NIKOLAS	Pacific Telephone
1957	ANTOLOS NIKOLAS	Pacific Telephone

Year	Uses	Source
1954	ANTOLOS NIKOLAS R	R. L. Polk & Co.

536 N PALOS VERDES ST

Year	Uses	Source
2001	AMEZCUAGuillerma	Haines & Company, Inc.
1985	VALDIVIA MARIA	Pacific Bell
1975	MADERA MIGUEL	Pacific Telephone
1970	GRGAS-GRANDO ANDELKO	Pacific Telephone
1960	CHIEN ERIC	Pacific Telephone
1954	WIRTH WALTER L	R. L. Polk & Co.
1950	HEVENER HARRY E R	Pacific Telephone

538 N PALOS VERDES ST

Year	Uses	Source
2001	VILLATOROAnge Il Gi Iber	Haines & Company, Inc.
1960	KLARIN JOHN S	Pacific Telephone
1957	KLARIN JOHN S	Pacific Telephone
1954	KLARIN JOHN S R	R. L. Polk & Co.
1950	JACOBS JAKE DEEP SEA DIVING	Pacific Telephone

540 N PALOS VERDES ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	SALCEDA EDDIE C	Pacific Bell
1970	DADICH JOSIP	Pacific Telephone
1960	SUNJKA VINCE	Pacific Telephone
1957	DADICH STEVE	Pacific Telephone
1954	DADICH STEVE	R. L. Polk & Co.
1950	HUGHES ELIZABETH R	Pacific Telephone
	SMITH FRANCES C R	Pacific Telephone

600 N PALOS VERDES ST

Year	Uses	Source
1985	PRIZMICH M R	Pacific Bell
1970	PRIZMICH M R	Pacific Telephone
1964	PRIZMICH MARY MRS	Pacific Telephone
1960	SAMPSON EMMETT L	Pacific Telephone
1957	PRIZMICH PETE G	Pacific Telephone
1950	FTTMMOND MIKE NM R	Pacific Telephone

FINDINGS

602 N PALOS VERDES ST

Year	Uses	Source
1970	STANOVICH F	Pacific Telephone
1964	VLAHOV VERA	Pacific Telephone
	VLAHOV TOM	Pacific Telephone
1960	BURGE ROBT H	Pacific Telephone
1957	NOLASCO RICARDO R	Pacific Telephone
1954	DERFELT LANGELES	R. L. Polk & Co.
1950	PRIZMICH PETE MRS R	Pacific Telephone

604 N PALOS VERDES ST

Year	Uses	Source
2001	LOPEZWalter R	Haines & Company, Inc.
1985	STANOVICH F	Pacific Bell
1964	STANOVICH PHILLIP	Pacific Telephone
1960	STANOVICH PHILLIP	Pacific Telephone
1957	STANOVICH PHILLIP	Pacific Telephone
1950	GREEN RIBBLE RR	Pacific Telephone

606 N PALOS VERDES ST

Year	Uses	Source
1960	GRGAS ANTHONY	Pacific Telephone
1957	GRGAS ANTHONY	Pacific Telephone
1950	BARCOT KUZMA R	Pacific Telephone

607 N PALOS VERDES ST

Year	Uses	Source
1960	JIMENEZ STELLA	Pacific Telephone
1957	JIMENEZ STELLA	Pacific Telephone
1954	JIMENEZ STELLA	R. L. Polk & Co.
1950	LOPEZ THEA P R	Pacific Telephone
1924	Beltt Chas carp h	Los Angeles Directory Co.

608 N PALOS VERDES ST

Year	Uses	Source
1960	RIOS GILBERTO U	Pacific Telephone
1954	BTSAZZA JOHN W	R. L. Polk & Co.
1950	DUFFY DONALD J R	Pacific Telephone

FINDINGS

609 N PALOS VERDES ST

Year	Uses	Source
1957	GRIJALVA FRANK	Pacific Telephone
1950	ARECHAVALETA CATALINA M R	Pacific Telephone

610 N PALOS VERDES ST

Year	Uses	Source
1960	DADICH JOHN	Pacific Telephone
1957	DADICH JOHN	Pacific Telephone
1954	DADICH JOHN	R. L. Polk & Co.
1950	GIBBINGS GLADYS MRS R	Pacific Telephone

611 N PALOS VERDES ST

Year	Uses	Source
1964	BLOESER ROBT	Pacific Telephone

617 N PALOS VERDES ST

Year	Uses	Source
1960	LOPEZ ENRIQUITA	Pacific Telephone
	LOPEZ MARY O	Pacific Telephone
1954	SMITH C C	R. L. Polk & Co.
1950	BIRDSONG CI R	Pacific Telephone

623 N PALOS VERDES ST

Year	Uses	Source
1960	LOPEZ ARTURO	Pacific Telephone
1954	CORNEJO S G	R. L. Polk & Co.
1950	CORNEJO S R	Pacific Telephone

625 N PALOS VERDES ST

Year	Uses	Source
1960	BOJORQUEZ C G	Pacific Telephone

628 N PALOS VERDES ST

Year	Uses	Source
1924	Sandy Melvin longshoremn r	Los Angeles Directory Co.

631 N PALOS VERDES ST

Year	Uses	Source
1960	ONTIVEROS E	Pacific Telephone
1957	ONTIVEROS E	Pacific Telephone

FINDINGS

641 N PALOS VERDES ST

Year	Uses	Source
1960	DE VOS C	Pacific Telephone
1954	DE VOS C R	R. L. Polk & Co.
1950	DE VOS C R	Pacific Telephone
1935	Summers J A r	Los Angeles Directory Co.
1924	PATTERSON Frank T stevedore h	Los Angeles Directory Co.

4321/2 N PALOS VERDES ST

Year	Uses	Source
1957	CARSON GEO W	Pacific Telephone

422 1/2 N PALOS VERDES ST

Year	Uses	Source
1975	BENNETT CHUCK	Pacific Telephone
1970	MAZAROVICH MARCO S	Pacific Telephone

430 1/2 N PALOS VERDES ST

Year	Uses	Source
1985	ALVAREZ MANUEL S	Pacific Bell
1970	MANTEUFEL DAVID E	Pacific Telephone
1964	WOOD LETHA LEE	Pacific Telephone
	WOOD ARTHUR T	Pacific Telephone
1957	DI SCALA MICHAEL	Pacific Telephone

432 1/2 N PALOS VERDES ST

Year	Uses	Source
1960	CARSON GEO W	Pacific Telephone

617 1/2 N PALOS VERDES ST

Year	Uses	Source
1957	ROBINSON VERSIE MAE	Pacific Telephone
1950	RERMETICH FRANK R	Pacific Telephone

617 1/4 N PALOS VERDES ST

Year	Uses	Source
1957	WILLIAMS JPS	Pacific Telephone

OLIVER

232 OLIVER

Year	Uses	Source
1990	MONTANO MARIO	Pacific Bell

233 OLIVER

Year	Uses	Source
1990	A RODRIGUEZ ERNESTINA	Pacific Bell

234 OLIVER

Year	Uses	Source
1995	MURO FLORA	Pacific Bell
1990	MURO FLORA	Pacific Bell

242 OLIVER

Year	Uses	Source
1995	IBANEZ GUADALUPE	Pacific Bell

255 OLIVER

Year	Uses	Source
1995	CARBAJAL ROSALIE	Pacific Bell
1924	GRANT Valentine driver h	Los Angeles Directory Co.

256 OLIVER

Year	Uses	Source
1995	4 ANTIPOLE PABLO S	Pacific Bell
1990	2 ROBERTS KENNETH R MR	Pacific Bell
	4 ANTIPOLO PABLO S	Pacific Bell
1924	Orbin Eleanor r	Los Angeles Directory Co.
	Orbin Mary J wid David h	Los Angeles Directory Co.

240 1/2 OLIVER

Year	Uses	Source
1990	WENTLAND JOHN J	Pacific Bell

PALOS VERDES N

400 PALOS VERDES N

Year	Uses	Source
1995	GONZALEZ BLANCA	Pacific Bell
1990	BARELA FRANK M	Pacific Bell

FINDINGS

402 PALOS VERDES N

Year	Uses	Source
1990	JIMENEZ MARIA	Pacific Bell

404 PALOS VERDES N

Year	Uses	Source
1990	3 PEREZ BEATRIZ	Pacific Bell

407 PALOS VERDES N

Year	Uses	Source
1990	ALEXANDER G	Pacific Bell

412 PALOS VERDES N

Year	Uses	Source
1995	CARNILLO RAFAEL & SOLEDAD	Pacific Bell

414 PALOS VERDES N

Year	Uses	Source
1990	ROMERO JULIO CESAR	Pacific Bell

416 PALOS VERDES N

Year	Uses	Source
1995	CAMPOS EDGAR I	Pacific Bell

417 PALOS VERDES N

Year	Uses	Source
1995	J PAEZ LIZARRAGA MANUEL	Pacific Bell
	H GARCIA ELENA	Pacific Bell
	F IBARRA ARTURO	Pacific Bell
	C MONCAYO MANUEL	Pacific Bell
	B IBARRA ALFREDO	Pacific Bell
1990	X ORTIZ ARTEMIO	Pacific Bell
	H CARMONA JOSE ARCADIO	Pacific Bell
	D LIAMAS JOSE DE JESUS	Pacific Bell
	A AJNAEL CARLOS V	Pacific Bell

420 PALOS VERDES N

Year	Uses	Source
1995	LOMELI EPIFANIO L	Pacific Bell
1990	LOMELI EPIFANIO L	Pacific Bell

FINDINGS

422 PALOS VERDES N

Year	Uses	Source
1990	SANTANA LETICIA	Pacific Bell

424 PALOS VERDES N

Year	Uses	Source
1990	LEAL JESSE OLGUIN	Pacific Bell

426 PALOS VERDES N

Year	Uses	Source
1995	CAMACHO MARIANO	Pacific Bell
1990	CAMACHO MARIANO	Pacific Bell

430 PALOS VERDES N

Year	Uses	Source
1990	GONZALES RICARDO	Pacific Bell

431 PALOS VERDES N

Year	Uses	Source
1990	ORNELAS CORINNE MRS	Pacific Bell

500 PALOS VERDES N

Year	Uses	Source
1995	AGUILERA ALBERTO	Pacific Bell
1990	AGUILERA ALBERTO	Pacific Bell

503 PALOS VERDES N

Year	Uses	Source
1990	BORCHARDT WALTER	Pacific Bell

506 PALOS VERDES N

Year	Uses	Source
1995	BARCOT THOS A JR	Pacific Bell
1990	BARCOT THOS A JR	Pacific Bell

510 PALOS VERDES N

Year	Uses	Source
1990	PLANCIA ROBT L	Pacific Bell

511 PALOS VERDES N

Year	Uses	Source
1995	4 OLGUIN NICOLAS	Pacific Bell

Year	Uses	Source
1995	3 HERNANDES RAFAEL	Pacific Bell
1990	6 SANCHEZ ELIAS R	Pacific Bell
	3 HERNANDES RAFAEL	Pacific Bell
	PALOS SECO HOTEL	Pacific Bell

514 PALOS VERDES N

Year	Uses	Source
1995	CABANIT F	Pacific Bell
1990	CABANIT F	Pacific Bell

519 PALOS VERDES N

Year	Uses	Source
1990	1 CHAVEZ M	Pacific Bell

523 PALOS VERDES N

Year	Uses	Source
1990	ZUVELA J	Pacific Bell

532 PALOS VERDES N

Year	Uses	Source
1990	CANIZALEZ ABEL S	Pacific Bell

536 PALOS VERDES N

Year	Uses	Source
1995	VALDIVIA MARIA	Pacific Bell
1990	VALDIVIA MARIA	Pacific Bell

S BEACON ST

416 S BEACON ST

Year	Uses	Source
1964	MONTEREY CAFE	Pacific Telephone
1957	MONTEREY CAFE	Pacific Telephone
1954	EUROPA CAFE	R. L. Polk & Co.
1950	EUROPA CAFE	Pacific Telephone

420 S BEACON ST

Year	Uses	Source
1950	VINCENT PORTRAIT STUDIO	Pacific Telephone

FINDINGS

430 S BEACON ST

Year	Uses	Source
1970	BEACON LIGHT MISSION	Pacific Telephone
1964	BEACON LIGHT MISSION	Pacific Telephone
1960	BEACON LIGHT MISSION	Pacific Telephone
1957	BEACON LIGHT MISSION	Pacific Telephone
1954	BEACON LIGHT MISSION	R. L. Polk & Co.
1950	BEACON LIGHTMISSON	Pacific Telephone

440 S BEACON ST

Year	Uses	Source
1964	CARRILLO MARY LIDO CLUB	Pacific Telephone
	LIDO CLUB	Pacific Telephone
1960	CARRILLO MARY LIDO CLUB	Pacific Telephone
	LIDO CLUB	Pacific Telephone
1954	LIDO BUFFET	R. L. Polk & Co.
1950	LIDO BUFFET	Pacific Telephone
1935	Lido Buffet	Los Angeles Directory Co.

444 S BEACON ST

Year	Uses	Source
1970	LOG CABIN CAFE	Pacific Telephone
1964	LOG CABIN CAFE	Pacific Telephone
1960	LOG CABIN CAFE	Pacific Telephone
1957	LOG CABIN CAFE	Pacific Telephone
1954	LOG CABIN CAFE	R. L. Polk & Co.
1950	LOG CABIN CAFE	Pacific Telephone

W Amar St

207 W Amar St

Year	Uses	Source
2010	KRISTIN BRADFIELD	EDR Digital Archive
	KRISTIN BRADFIELD	EDR Digital Archive

W OFARRELL ST

161 W OFARRELL ST

Year	Uses	Source
1960	TENOPYR JOS JR	Pacific Telephone

FINDINGS

14L0 W OFARRELL ST

Year	Uses	Source
1950	BOWRING JACK F R	Pacific Telephone

W OLIVER ST

200 W OLIVER ST

Year	Uses	Source
1975	Burbank Ford	Pacific Telephone
1950	BVULARDF JAS A R	Pacific Telephone

204 W OLIVER ST

Year	Uses	Source
1970	A A WANAMAKER RENTS INC	Pacific Telephone
1957	MILANO FRANK S	Pacific Telephone
1954	MILANO FRANK S R	R. L. Polk & Co.
1950	MLILANO FRANK S R	Pacific Telephone

205 W OLIVER ST

Year	Uses	Source
1975	Wanamaker Rents Inc	Pacific Telephone
	A A Wanamaker Rents Inc	Pacific Telephone
1970	A A WANAMAKER RENTS INC	Pacific Telephone
1965	WANAMAKER RENTS INC	Pacific Telephone
1964	WANAMAKER RENTS INC	Pacific Telephone
1962	WANAMAKER RENTS INC	Pacific Telephone
1960	WANAMAKER RENTS INC	Pacific Telephone
1958	WANAMAKER RENTAL CITY	Pacific Telephone
1957	WANAMAKER RENTAL CITY	Pacific Telephone
	CAYER SEVEREN	Pacific Telephone
1954	CAYER SEVREN R	R. L. Polk & Co.
1950	CAYER SEVEREN R	Pacific Telephone

209 W OLIVER ST

Year	Uses	Source
1957	PHILLER GLENN	Pacific Telephone
1954	BRUNNER A R R	R. L. Polk & Co.
1950	BRUNNERAR R	Pacific Telephone

FINDINGS

211 W OLIVER ST

Year	Uses	Source
1964	MASHBURN MADELINE	Pacific Telephone
	PARKS W A DICK	Pacific Telephone
	WILLIAMS CAROL	Pacific Telephone
	WILLIAMS EARL D	Pacific Telephone
	EMBURY B G	Pacific Telephone
	EMBURY EMILY	Pacific Telephone
1960	MANN MERRILL G	Pacific Telephone
1954	WOLTER REINLRALDT A R	R. L. Polk & Co.
1950	WALTER RELNHOLDT A R	Pacific Telephone

212 W OLIVER ST

Year	Uses	Source
1950	COLLEGE CLNRS	Pacific Telephone

215 W OLIVER ST

Year	Uses	Source
1950	LEAKE J E R	Pacific Telephone

220 W OLIVER ST

Year	Uses	Source
1958	Trojan Lumber & Supply	Pacific Telephone

221 W OLIVER ST

Year	Uses	Source
1950	HIS &ERS CLNRS	Pacific Telephone

224 W OLIVER ST

Year	Uses	Source
1970	MARTINEZ M	Pacific Telephone
1964	MARTINEZ ALBERT	Pacific Telephone
1960	MARTINEZ ALBERT	Pacific Telephone
1957	MARTINEZ ALBERT	Pacific Telephone
1954	MARTINEZ ALBERT R	R. L. Polk & Co.

225 W OLIVER ST

Year	Uses	Source
1985	CANO IGNACIO	Pacific Bell
1954	GARNER STUDIO ROBT LEE PHOTGRPHR	R. L. Polk & Co.

Year	Uses	Source
1954	BROWN LESLIE S GARNER ROBF LEE STUDIO PHOTGRPHR	R. L. Polk & Co.
1950	BROWN LESLIE S GARNER ROBT LEE STUDIO PHOTGRPHR	Pacific Telephone

226 W OLIVER ST

Year	Uses	Source
1950	STRICKLAND ETHELYN MVI R	Pacific Telephone

227 W OLIVER ST

Year	Uses	Source
1970	MACIAS JUVIE	Pacific Telephone

230 W OLIVER ST

Year	Uses	Source
1950	HICKS ALBERT L R	Pacific Telephone

231 W OLIVER ST

Year	Uses	Source
1975	WADDELL H V CO	Pacific Telephone
1964	HERBERS LLOYD W	Pacific Telephone
	MCCLURE C S	Pacific Telephone
	MCCLURE IRENE J	Pacific Telephone
	WESTLAKE DONALD H	Pacific Telephone
	WITZLEBEN WALTER	Pacific Telephone
	BREEN JAS V	Pacific Telephone
1960	BREEN JAS V	Pacific Telephone
	HART WM P	Pacific Telephone
	HYHAM ROLAND	Pacific Telephone
	KRUSE ARTHUR H	Pacific Telephone
1958	NTERPRISE DEVELOPNNENT & MFG CORP	Pacific Telephone
1957	ENTERPRISE DEVELOPMENT & MFG CORP	Pacific Telephone
1950	PAYNE CAROLYN A R	Pacific Telephone
	RICHTER J CRANOR R	Pacific Telephone

232 W OLIVER ST

Year	Uses	Source
1985	ALEXANDER A H	Pacific Bell
1980	ALEXANDER A H SAN PEDRO	Pacific Telephone
1975	ALEXANDER A H	Pacific Telephone

Year	Uses	Source
1964	BROWN S W INGLEWOOD	Pacific Telephone

233 W OLIVER ST

Year	Uses	Source
1985	AYALA ALFREDO	Pacific Bell
	RODRIGUEZ ERNESTINA	Pacific Bell
1980	CARBAJAL D	Pacific Telephone
1970	SANCHEZ JESUS	Pacific Telephone
	RODRIGUEZ ERNESTINA	Pacific Telephone

234 W OLIVER ST

Year	Uses	Source
1980	MURO DOTTIE	Pacific Telephone
1975	MURO DOTTIE	Pacific Telephone
1970	MURO DOTTIE	Pacific Telephone

237 W OLIVER ST

Year	Uses	Source
1985	ANZAR GONZALO	Pacific Bell
1970	SOLIS CAROLINA	Pacific Telephone
	TORRES SALVADOR	Pacific Telephone

238 W OLIVER ST

Year	Uses	Source
1985	RODRIGUEZ JOSE	Pacific Bell

239 W OLIVER ST

Year	Uses	Source
1995	Ofc	Pacific Bell
	Webs T V	Pacific Bell
1975	NF Burbank Unit	Pacific Telephone

240 W OLIVER ST

Year	Uses	Source
1985	LOMELI EPIFANIO L	Pacific Bell
1975	ORTEGA MARILYN	Pacific Telephone
1954	STARKEY GEO	R. L. Polk & Co.

FINDINGS

241 W OLIVER ST

Year	Uses	Source
1975	Hensley John H Dr Hensley & Crundwell Drs Small Animal Hospital	Pacific Telephone
	Weule David G DVM	Pacific Telephone
	Hensley & Crundwell Drs Small Animal Hospital	Pacific Telephone
	Crundwell J Bradley Dr Hensley & Crundwell Drs Small Animal Hospital	Pacific Telephone

242 W OLIVER ST

Year	Uses	Source
1985	ILLAN JUAN	Pacific Bell
1975	LOPEZ EBERDO	Pacific Telephone

243 W OLIVER ST

Year	Uses	Source
1957	NELMS EARON GRANT	Pacific Telephone

244 W OLIVER ST

Year	Uses	Source
1985	ANDERSON EDW	Pacific Bell
1980	ANDERSON EDW	Pacific Telephone
1975	ANDERSON EDW	Pacific Telephone
1970	ANDERSON EDW	Pacific Telephone

248 W OLIVER ST

Year	Uses	Source
1980	MALAHNI JOHN K	Pacific Telephone
1975	MALAHNI KUZMA B	Pacific Telephone
1964	AMON BEVERLY J	Pacific Telephone

249 W OLIVER ST

Year	Uses	Source
1985	NUNEZ DORA	Pacific Bell

255 W OLIVER ST

Year	Uses	Source
1975	BUZZ & BOB TELEVISION	Pacific Telephone
1970	PEREZ RUTILA GOMEZ	Pacific Telephone

FINDINGS

256 W OLIVER ST

Year	Uses	Source
1985	ANTIPOLE PABLO S	Pacific Bell
1980	ANTIPOLO PABLO S	Pacific Telephone
	MONTALVO S	Pacific Telephone
1975	ANTIPOLO PABLO S	Pacific Telephone
1970	SARE MARTIN S	Pacific Telephone
	RIVERA SIXTO	Pacific Telephone
	ANTIPOLO PABLO S	Pacific Telephone
	BALDWIN EDW L	Pacific Telephone

237C W OLIVER ST

Year	Uses	Source
1964	TORRES SALVADOR	Pacific Telephone

202 1/2 W OLIVER ST

Year	Uses	Source
1964	BULLARD JAS A	Pacific Telephone
1960	BULLARD JAS A	Pacific Telephone

210 1/2 W OLIVER ST

Year	Uses	Source
1957	BURGLIN ROBT E	Pacific Telephone

212 1/2 W OLIVER ST

Year	Uses	Source
1950	ANDERSON ELLIS R	Pacific Telephone

222 1/2 W OLIVER ST

Year	Uses	Source
1950	WILLIAMS W GR	Pacific Telephone

242 1/2 W OLIVER ST

Year	Uses	Source
1985	LOMELI CARMEN	Pacific Bell
1970	HOSKING EARL D JR	Pacific Telephone
1954	DUKE MARY LEE	R. L. Polk & Co.

249 1/2 W OLIVER ST

Year	Uses	Source
1980	DE SOTO FRANCISCO	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
515 N Beacon St	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
14L0 W OFARRELL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
161 W OFARRELL ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
200 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
202 1/2 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
204 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
205 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1963, 1961, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
207 W Amar St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
207 W Amar St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
209 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
210 1/2 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
211 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
212 1/2 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
212 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
215 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
220 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
221 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
222 1/2 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
224 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
225 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
226 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
227 AMAR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
227 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
230 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
231 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
232 OLIVER	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
232 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
233 AMAR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
233 OLIVER	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
233 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
234 OLIVER	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
234 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
237 AMAR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
237 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
237C W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
238 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
239 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
240 1/2 OLIVER	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
240 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
241 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
242 1/2 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
242 OLIVER	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
242 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
243 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
244 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
247 AMAR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
248 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
249 1/2 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
249 AMAR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
249 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
251 AMAR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
255 OLIVER	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
255 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
256 OLIVER	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
256 W OLIVER ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
257 AMAR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
345 N Beacon St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
345 N Beacon St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
400 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
402 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
402 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
402 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
403 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
404 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
404 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
405 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
406 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
406 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
406 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
406 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
407 HARBOR BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
407 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
407 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
407 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
407 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
407 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
408 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
408 N Palos Verdes St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
408 N Palos Verdes St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
410 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
411 HARBOR BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
411 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
411 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
411 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
412 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
412 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
412 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
414 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
414 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
414 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
416 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
416 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
416 S BEACON ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
417 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
417 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
417 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
418 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
418 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
420 S BEACON ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
421 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
422 1/2 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
422 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
422 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
424 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
424 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
424 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
426 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
426 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
426 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
428 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 1/2 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
430 S BEACON ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
431 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
431 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
431 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
432 1/2 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
432 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4321/2 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
433 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
434 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
435 HARBOR BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
435 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
435 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
435 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
436 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
437 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
438 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
440 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
440 S BEACON ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
444 S BEACON ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
451 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
500 N Front St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
500 N Front St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
500 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
500 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
501 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
501 N Harbor Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
501 N Harbor Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
502 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
503 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
503 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
504 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
506 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
506 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
508 BEACON N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
508 N BEACON ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
508 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
509 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
510 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
510 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
511 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
511 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
511 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
511 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
512 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
514 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
514 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
516 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
518 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
519 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
519 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
519 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
519 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
520 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
522 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
523 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
523 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
524 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
525 HARBOR BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
525 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
525 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
525 N Harbor Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
525 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
526 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
528 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
529 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
530 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
530 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
530 N Palos Verdes St	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
532 N Palos Verdes St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
532 N Palos Verdes St	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
532 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
532 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
534 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
536 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
536 PALOS VERDES N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
538 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
540 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
600 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
600 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
602 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
604 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
606 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
607 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
608 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
609 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
609 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
610 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
611 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 1/2 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 1/4 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
617 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
621 N FRONT ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
625 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
628 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
630 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
631 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
635 N FRONT ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
641 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
641 N PALOS VERDES ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
650 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
660 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
661 HARBOR BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
661 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
691 N HARBOR BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731

Inquiry Number: 5450134.8
October 10, 2018

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

About This Report

Executive Summary

Findings

Glossary

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX® PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of AECOM on Oct 10, 2018.

TARGET PROPERTY

515 N Beacon St
San Pedro, CA 90731

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Los Angeles

Year	*Source*	*TP*	*Adjoining*
2018	City of Los Angeles, Department of Building and Safety		X
2017	City of Los Angeles, Department of Building and Safety		X
2016	City of Los Angeles, Department of Building and Safety		X
2015	City of Los Angeles, Department of Building and Safety		X
2014	City of Los Angeles, Department of Building and Safety		X
2013	City of Los Angeles, Department of Building and Safety		X
2012	City of Los Angeles, Department of Building and Safety		X
2011	City of Los Angeles, Department of Building and Safety		X
2010	City of Los Angeles, Department of Building and Safety		X
2009	City of Los Angeles, Department of Building and Safety		X
2008	City of Los Angeles, Department of Building and Safety		X
2007	City of Los Angeles, Department of Building and Safety		X
2006	City of Los Angeles, Department of Building and Safety		X
2005	City of Los Angeles, Department of Building and Safety		X
2004	City of Los Angeles, Department of Building and Safety		X
2003	City of Los Angeles, Department of Building and Safety		X
2002	City of Los Angeles, Department of Building and Safety		X
2001	City of Los Angeles, Department of Building and Safety		X
2000	City of Los Angeles, Department of Building and Safety		X
1999	City of Los Angeles, Department of Building and Safety		X
1998	City of Los Angeles, Department of Building and Safety		X
1997	City of Los Angeles, Department of Building and Safety		X
1996	City of Los Angeles, Department of Building and Safety		X
1995	City of Los Angeles, Department of Building and Safety		
1994	City of Los Angeles, Department of Building and Safety		
1993	City of Los Angeles, Department of Building and Safety		
1992	City of Los Angeles, Department of Building and Safety		
1991	City of Los Angeles, Department of Building and Safety		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1990	City of Los Angeles, Department of Building and Safety		
1989	City of Los Angeles, Department of Building and Safety		
1988	City of Los Angeles, Department of Building and Safety		

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Los Angeles
Years: 1988-2018
Source: City of Los Angeles, Department of Building and Safety, SAN PEDRO, CA
Phone: (213) 482-6800

Name: Los Angeles County
Years: 1988-2018
Source: Los Angeles County, Building and Safety, ARCADIA, CA
Phone: (626) 458-6368

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

515 N Beacon St
San Pedro, CA 90731

No Permits Found

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

N HARBOR BLVD

327 N HARBOR BLVD

Date:	**12/4/2013**
Permit Type:	
Description:	**No Plan Check USE OF LAND - CHRISTMAS TREE SALES, DEC. 1ST THRU DEC. 31ST 1) Lights shall reflect away from residentially zoned property. 2) Sound equipment not permitted on residentially zoned property. 3) No sawing, hammering, unloading between 10:00 pm and 7:00 am. (see comment for more info)**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	Commercial
Permit Number:	130204000002884
Status:	
Valuation:	$501.00
Contractor Company:	
Contractor Name:	

Date:	**12/4/2013**
Permit Type:	
Description:	**No Plan Check TEMP POWER POLE FOR CHRISTMAS TREE LOT**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	130414000032734
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**4/18/2013**
Permit Type:	
Description:	**No Plan Check SEWER CAP**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	130424000007548
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**11/5/2010**
Permit Type:	
Description:	**No Plan Check USE OF LAND - CHRISTMAS TREE SALES, DEC. 1ST THRU DEC. 31ST 1) Lights shall reflect away from residentially zoned property. 2) Sound equipment not permitted on residentially zoned property. 3) No sawing, hammering, unloading between 10:00 pm and 7:00 am. (see comment for more info)**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100204000002570
Status:	
Valuation:	$501.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**9/30/2010**
Permit Type:	
Description:	**No Plan Check USE OF LAND - PUMPKIN SALES, OCT. 15 THRU OCT. 31 1) Lights shall reflect away from residentially zoned property. 2) Sound equipment not permitted on residentially zoned property. 3) No sawing, hammering, unloading between 10:00 pm and 7:00 am. (see comment for more info)**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100204000002255
Status:	
Valuation:	$501.00
Contractor Company:	
Contractor Name:	

Date:	**10/3/2007**
Permit Type:	
Description:	**Plan Check DEMO. EXISTING METAL RETAIL BUILDING AND CLEAR SITE**
Permit Description:	**Bldg-Demolition**
Work Class:	
Proposed Use:	Commercial Retail Misc. Bldg or Structure
Permit Number:	070194000002335
Status:	
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	ACTION DEMOLITION

ADJOINING PROPERTY FINDINGS

Date:	**10/3/2007**
Permit Type:	
Description:	**Plan Check DEMO. EXISTING METAL STORAGE BUILDING AND CLEAR SITE**
Permit Description:	**Bldg-Demolition**
Work Class:	
Proposed Use:	Commercial Warehouse Misc. Bldg or Structure
Permit Number:	070194000002363
Status:	
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	ACTION DEMOLITION

Date:	**10/3/2007**
Permit Type:	
Description:	**No Plan Check SEWER CAP**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	070424000020943
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ACTION DEMOLITION

407 N HARBOR BLVD

Date:	**3/20/2017**
Permit Type:	
Description:	**Plan Check PC FOR A NEW FIRE ALARM SYSTEM FOR AN E**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	170411000008779
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	AZTEC FIRE AND SECURITY INC

ADJOINING PROPERTY FINDINGS

Date: **3/20/2017**
Permit Type:
Description: **Plan Check UNDERGROUND FIRE SERVICE ONLY.**

Permit Description: **Fire Sprinkler**
Work Class:
Proposed Use: Apartment
Permit Number: 170431000001055
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: T T S ENGINEERING INC

Date: **8/22/2016**
Permit Type:
Description: **Plan Check SUPPLEMENTAL PERMIT TO REVISE STRUCTURA**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: Commercial School
Permit Number: 160161000008109
Status:
Valuation: $126,000.00
Contractor Company:
Contractor Name: BRADY CONSTRUCTION AND DESIGN INC

Date: **12/28/2015**
Permit Type:
Description: **Plan Check CHANGE OF USE FROM MEDICAL OFFICE**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: Commercial Office School
Permit Number: 150161000011084
Status:
Valuation: $176,964.00
Contractor Company:
Contractor Name: BRADY CONSTRUCTION AND DESIGN INC

ADJOINING PROPERTY FINDINGS

Date: **12/28/2015**
Permit Type:
Description: **No Plan Check**

Permit Description: **Electrical**
Work Class:
Proposed Use: Commercial
Permit Number: 150411000043565
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: BRADY CONSTRUCTION AND DESIGN INC

Date: **12/28/2015**
Permit Type:
Description: **No Plan Check**

Permit Description: **Plumbing**
Work Class:
Proposed Use: Commercial
Permit Number: 150421000025568
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: BRADY CONSTRUCTION AND DESIGN INC

Date: **12/28/2015**
Permit Type:
Description: **No Plan Check**

Permit Description: **HVAC**
Work Class:
Proposed Use: Commercial
Permit Number: 150441000013702
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: BRADY CONSTRUCTION AND DESIGN INC

ADJOINING PROPERTY FINDINGS

Date:	**7/15/2015**
Permit Type:	
Description:	**Plan Check NEW FIRE SPRINKLER SYSTEM FOR A 1-STORY OFFICE BUILDING. UNDERGROUND BY OTHERS. 4" FIRE SERVICE.**
Permit Description:	**Fire Sprinkler**
Work Class:	
Proposed Use:	Commercial
Permit Number:	150431000003095
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	APEX FIRE SYSTEMS INC

Date:	**5/12/2011**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL TO PERMIT # 10042-40000-17798 FOR ROOF DRAIN**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100424000117798
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

ADJOINING PROPERTY FINDINGS

Date:	**10/18/2010**
Permit Type:	
Description:	**Plan Check TI: BUILD NEW SHOWER/BATHROOM AND LAUNDRY ROOM. INTERIOR WORK ONLY.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Commercial Office
Permit Number:	100164000018255
Status:	
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

Date:	**10/18/2010**
Permit Type:	
Description:	**No Plan Check ELECTRICAL FOR LAUNDRY ROOM. OUTLETS, SWITCHES & LIGHTS. (REFERENCE BLDG. PERMIT # 10016-40000-18255)**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100414000020597
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

ADJOINING PROPERTY FINDINGS

Date:	**10/18/2010**
Permit Type:	
Description:	**No Plan Check PLUMBING FOR NEW SHOWER/BATHROOM AND LAUNDRY ROOM. (REFERENCE BLDG. PERMIT # 10016-40000-18255)**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100424000017798
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

Date:	**10/13/2010**
Permit Type:	
Description:	**No Plan Check TEAR OFF EXISTING ROOFING. RE-ROOF 50 SQUARES WITH CLASS 'A' MATERIALS. INSTALL BUILT UP ROOF/HOT MOP (MAX. 1 OVERLAY TOTAL).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Commercial Misc. Bldg or Structure
Permit Number:	100164000018697
Status:	
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	TERRAZAS ROOFING

ADJOINING PROPERTY FINDINGS

Date:	**5/21/2010**
Permit Type:	
Description:	**No Plan Check INSTALL 3 LIGHTS-COMPLY W/DEPT. ORDER DATED 3-1-10. PERMIT TO EXPIRE 30-DAYS FROM ISSUANCE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100414000009688
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

Date:	**5/21/2010**
Permit Type:	
Description:	**No Plan Check REMOVE AND CAP EXISTING URINAL-COMPLY W/DEPT. ORDER DATED 3-1-10. PERMIT TO EXPIRE 30-DAYS FROM ISSUANCE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100424000008429
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

ADJOINING PROPERTY FINDINGS

Date:	**5/21/2010**
Permit Type:	
Description:	**No Plan Check RELOCATE HVAC-COMPLY W/DEPT. ORDER DATED 3-1-10. PERMIT TO EXPIRE 30-DAYS FROM ISSUANCE**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	Commercial
Permit Number:	100444000004848
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

C.O. Issued Date:	**6/28/2010**
Date:	**5/14/2010**
Permit Type:	
Description:	**Plan Check TENANT IMPROVEMENT AND CHANGE OF USE FROM RESTAURANT TO MEDICAL OFFICE EXISTING 4,465 SQ FT, ONE STORY, TYPE V BUILDING. COMPLY WITH DEPARTMENT ORDER EFFECTIVE DATE 03/01/2010. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE. RESTRIPE PKG LOT.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Commercial Restaurant Office
Permit Number:	100164000003142
Status:	
Valuation:	$223,000.00
Contractor Company:	
Contractor Name:	SCHOCH JAMES C

ADJOINING PROPERTY FINDINGS

Date: **10/5/2007**
Permit Type:
Description: **No Plan Check PATCH ROOF & WATER DAMAGED DRYWALL**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: Commercial Misc. Bldg or Structure
Permit Number: 070164000019029
Status:
Valuation: $10,000.00
Contractor Company:
Contractor Name:

411 N HARBOR BLVD

Date: **2/23/2018**
Permit Type:
Description: **No Plan Check**

Permit Description: **Electrical**
Work Class:
Proposed Use: Commercial
Permit Number: 180414000006738
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: HERZOG M B ELECTRIC INC

Date: **2/23/2018**
Permit Type:
Description: **No Plan Check**

Permit Description: **Electrical**
Work Class:
Proposed Use: Commercial
Permit Number: 180414000006740
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: HERZOG M B ELECTRIC INC

ADJOINING PROPERTY FINDINGS

Date: **6/20/2016**
Permit Type:
Description: **No Plan Check**

Permit Description: **Elevator**
Work Class:
Proposed Use: Apartment
Permit Number: 160461000000888
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: AMTECH ELEVATOR SERVICES

Date: **2/18/2015**
Permit Type:
Description: **No Plan Check**

Permit Description: **Elevator**
Work Class:
Proposed Use: Apartment
Permit Number: 150461000000266
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: AMTECH ELEVATOR SERVICES

Date: **11/21/2014**
Permit Type:
Description: **No Plan Check INSTALL DOOR DETECTOR EDGE.**

Permit Description: **Elevator**
Work Class:
Proposed Use: Apartment
Permit Number: 140461000001686
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: AMTECH ELEVATOR SERVICES

ADJOINING PROPERTY FINDINGS

Date: **5/2/2008**
Permit Type:
Description: **No Plan Check C/O ROOF TOP UNIT**

Permit Description: **HVAC**
Work Class:
Proposed Use: Commercial
Permit Number: 080444000004517
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: CENTRAL TECH AIR CONDITIONING INC

Date: **12/29/1998**
Permit Type:
Description: **Plan Check 36" high internally illum. channel letters (plastic face)**

Permit Description: **Sign**
Work Class:
Proposed Use: Onsite Signs
Permit Number: 980484000002277
Status:
Valuation: $6,000.00
Contractor Company:
Contractor Name: MY CONTRACTOR

435 N HARBOR BLVD

Date: **4/21/2016**
Permit Type:
Description: **No Plan Check**

Permit Description: **Electrical**
Work Class:
Proposed Use: Commercial
Permit Number: 160414000013899
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: NEW WAVE TELECT

ADJOINING PROPERTY FINDINGS

Date:	**7/2/1998**
Permit Type:	
Description:	**Plan Check change of use from church to counseling center -no struct. alterations in a 68'x60' portion of bldg(see 89sp10824,91sp7705 and c/o,9-25-91).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Commercial Church Warehouse
Permit Number:	980164000013251
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

Date:	**10/20/1997**
Permit Type:	
Description:	**No Plan Check new water heater added to existing electric permit**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	970424000010838
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ARNIE'S PLUMBING SERVICE

Date:	**10/16/1997**
Permit Type:	
Description:	**No Plan Check ADDING LIGHTS IN WAREHOUSE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	970412000017101
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	O A DENVER INC

ADJOINING PROPERTY FINDINGS

Date:	**10/16/1997**
Permit Type:	
Description:	**No Plan Check T.I. ADD OUTLETS**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	970414000017102
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ROTEMAN ELECTRIC CO

661 N HARBOR BLVD

Date:	**3/6/1997**
Permit Type:	
Description:	**Plan Check REPAIR 60 SQ FT DRYWALL,REPLACE 1 KITCHEN CABINET & 6 CABINET DOORS**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	970164000005174
Status:	
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

N PALOS VERDES ST

300 N PALOS VERDES ST

Date:	**5/12/2008**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL PERMIT TO PERMIT #07041-10000-21383 TO CHANGE ADDRESS FROM 332-334 N. PALOS VERDES TO 300-302 N. PALOS VERDES.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070414000121383
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO 07010-10000-00294: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416. REVISE MAX HEIGHT OF BUILDING TO 30'-0".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100294
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**8/28/2007**
Permit Type:	
Description:	**Plan Check Plan check for onsite waste system for tract houseing.**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070421000018565
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	P S I PLUMBING

C.O. Issued Date:	**9/16/2008**
Date:	**8/20/2007**
Permit Type:	
Description:	**Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000000294
Status:	
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	

Date:	**5/4/2007**
Permit Type:	
Description:	**No Plan Check (2) 200AMP TEMP POLE FOR NEW CONSTRUCTION**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070413000010861
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	HANLEY WALLACE G

ADJOINING PROPERTY FINDINGS

Date:	**3/15/2007**
Permit Type:	
Description:	**Plan Check PROPOSED TRACT GRADING FOR 16 BUILDING PADS PER TENTATIVE TRACT NO. 62416. CUT = 804 CY., FILL = 3158 CY., IMPORT = 2354 CY.**
Permit Description:	**Grading**
Work Class:	
Proposed Use:	Apartment Grading/Hillside
Permit Number:	060301000002868
Status:	
Valuation:	$3,158.00
Contractor Company:	
Contractor Name:	

304 N PALOS VERDES ST

Date:	**5/12/2008**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL PERMIT TO PERMIT# 07041-10000-21379 TO CHANGE ADDRESS FROM 336-338 N PALOS VERDES ST. TO 304-306 N PALOS VERDES ST.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070414000121379
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

ADJOINING PROPERTY FINDINGS

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLENENTAL PERMIT TO 07010-10000-00295: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416. REVISE MAX HEIGHT OF BUILDING TO 30'-0".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100295
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

C.O. Issued Date:	**9/16/2008**
Date:	**8/20/2007**
Permit Type:	
Description:	**Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000000295
Status:	
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

308 N PALOS VERDES ST

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO 07010-10000-00293: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416 AND REVISE MAX HEIGHT OF BUILDING TO 30'-0".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100293
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

Date:	**8/31/2007**
Permit Type:	
Description:	**No Plan Check SOLAR ELECTRIC (PV) SYSTEMS. (1.8 KW) (1) SYSTEM PER UNIT.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070411000021372
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

ADJOINING PROPERTY FINDINGS

C.O. Issued Date:	**9/16/2008**
Date:	**8/20/2007**
Permit Type:	
Description:	**Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000000293
Status:	
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	

310 N PALOS VERDES ST

Date:	**2/23/1998**
Permit Type:	
Description:	**No Plan Check cts**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	980412000003068
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	A CO TEMPORARY POWER

ADJOINING PROPERTY FINDINGS

Date:	**1/21/1998**
Permit Type:	
Description:	**No Plan Check INSTALL CTS**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	980412000001048
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	A CO TEMPORARY POWER

312 N PALOS VERDES ST

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO 07010-10000-00296: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416 AND REVISE MAX HEIGHT OF BUILDING TO 30'-0".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100296
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**8/31/2007**
Permit Type:	
Description:	**No Plan Check SOLAR ELECTRIC (PV) SYSTEMS. (1.8 KW) (1) SYSTEM PER UNIT.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070411000021375
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

C.O. Issued Date:	**9/16/2008**
Date:	**8/20/2007**
Permit Type:	
Description:	**Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000000296
Status:	
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

316 N PALOS VERDES ST

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO 07010-10000-00291: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416 AND REVISE MAX HEIGHT OF BUILDING TO 30'-0".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100291
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

Date:	**8/31/2007**
Permit Type:	
Description:	**No Plan Check SOLAR ELECTRIC (PV) SYSTEMS. (1.8 KW) (1) SYSTEM PER UNIT.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070411000021376
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

ADJOINING PROPERTY FINDINGS

C.O. Issued Date:	**9/16/2008**
Date:	**8/20/2007**
Permit Type:	
Description:	**Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000000291
Status:	
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	

320 N PALOS VERDES ST

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO 07010-10000-00297: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416, REVISE MAX HEIGHT OF BUILDING TO 30'-0", AND CORRECT ORIGINAL PERMIT PARKING PROVIDED NUMBER FOR SITE TO 36 PARKING SPACES.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100297
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**8/31/2007**
Permit Type:	
Description:	**No Plan Check SOLAR ELECTRIC (PV) SYSTEMS. (1.8 KW) (1) SYSTEM PER UNIT.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070411000021377
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

C.O. Issued Date:	**9/16/2008**
Date:	**8/20/2007**
Permit Type:	
Description:	**Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000000297
Status:	
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

324 N PALOS VERDES ST

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO 07010-100000-00298: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416 AND REVISE MAX HEIGHT OF BUILDING TO 30'-0".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100298
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

Date:	**8/31/2007**
Permit Type:	
Description:	**No Plan Check SOLAR ELECTRIC (PV) SYSTEMS. (1.8 KW) (1) SYSTEM PER UNIT.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070411000021380
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

ADJOINING PROPERTY FINDINGS

C.O. Issued Date: **9/16/2008**
Date: **8/20/2007**
Permit Type:
Description: **Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**

Permit Description: **Bldg-New**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Duplex
Permit Number: 070101000000298
Status:
Valuation: $250,000.00
Contractor Company:
Contractor Name:

Date: **10/3/2006**
Permit Type:
Description: **Plan Check DEMOLISH EXISTING CMU BLOCK WALL AND CLEAN-UP SITE.**

Permit Description: **Nonbldg-Demolition**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Misc. Bldg or Structure Misc. Bldg or Structure
Permit Number: 060294000000032
Status:
Valuation: $7,500.00
Contractor Company:
Contractor Name: HANLEY WALLACE G

Date: **9/22/2006**
Permit Type:
Description: **No Plan Check TEMP. POWER POLE 200AMP**

Permit Description: **Electrical**
Work Class:
Proposed Use: Commercial
Permit Number: 060414000023853
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: HANLEY WALLACE G

ADJOINING PROPERTY FINDINGS

325 N PALOS VERDES ST

Date:	**7/12/2005**
Permit Type:	
Description:	**No Plan Check RELOCATE WATER HEATER**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050424000017350
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SOUTHLANE PLUMBING

Date:	**6/30/2005**
Permit Type:	
Description:	**No Plan Check INSTALL WALL HEATER**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050444000006473
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SOUTHLANE PLUMBING

ADJOINING PROPERTY FINDINGS

328 N PALOS VERDES ST

Date:	**1/22/2008**
Permit Type:	
Description:	**Plan Check SUPPLEMENTAL TO 07010-10000-00289: CHANGE USE OF DUPLEX TO CONDO-DUPLEX AS PER TRACT 62416 AND REVISE MAX HEIGHT OF BUILDING TO 30'-0".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000100289
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

Date:	**8/31/2007**
Permit Type:	
Description:	**No Plan Check SOLAR ELECTRIC (PV) SYSTEMS. (1.8 KW) (1) SYSTEM PER UNIT.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	070411000021382
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GRID ALTERNATIVES

ADJOINING PROPERTY FINDINGS

C.O. Issued Date:	**9/16/2008**
Date:	**8/20/2007**
Permit Type:	
Description:	**Plan Check NEW DUPLEX BUILDING 2 STORY TYPE V NON RATED WITH ATTACHED GARAGE.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	070101000000289
Status:	
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	

335 N PALOS VERDES ST

Date:	**10/22/2014**
Permit Type:	
Description:	**No Plan Check (7) Window change-out (same size & type for residential buildings. Dual glazing, labeled and certified by National Fenestration Rating Council (NFRC), is required for doors and windows replaced in all residential buildings, three stories or less, per Section 152(b) of Title 24. "COMPLY WITH DEPARTMENT ORDER effective date 09/15/2014. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE".**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Duplex
Permit Number:	140162000021469
Status:	
Valuation:	$2,200.00
Contractor Company:	
Contractor Name:	PROPERTY CONSTRUCTION & MAINTENANCE

ADJOINING PROPERTY FINDINGS

Date:	**9/2/2014**
Permit Type:	
Description:	**No Plan Check Fire damage repair for residential buil ings only (maximum 10% of replacement cost of building). Kitchen/bathroom remodel for residential buildings (no structural changes). Window change-out (same size & type) for residential buildings. Work at 2nd floor unit. See application comments.CRA approval is with the following conditions regarding window replacement: 1) Replacement windows shall have th**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	140161000017447
Status:	
Valuation:	$48,000.00
Contractor Company:	
Contractor Name:	PROPERTY CONSTRUCTION & MAINTENANCE

Date:	**9/2/2014**
Permit Type:	
Description:	**No Plan Check INSTALL A 100-AMP SUBPANEL.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	140411000023759
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PROPERTY CONSTRUCTION & MAINTENANCE

ADJOINING PROPERTY FINDINGS

403 N PALOS VERDES ST

Date:	**1/14/2014**
Permit Type:	
Description:	**Plan Check SUPPLEMNTAL TO 13016-40000-17303. CORRE T WALL AND WINDOWS DIMENSIONS. RELOCATE SHEAR WALL.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	130164000117303
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**9/25/2013**
Permit Type:	
Description:	**Plan Check REMODEL OF AN (E) SFD. CHANGE OUT WINDOW S AND DOORS PER PLAN, RELOCATE KITCHEN, REMODEL BATHROOM, AND REFRAME PORTION OF CEILING. COMPLY WITH DEPARTMENT ORDER effective date 08/20/2013. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	130164000017303
Status:	
Valuation:	$25,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**9/25/2013**
Permit Type:	
Description:	**No Plan Check UPGRADE ELECTRICAL PANEL FROM 100 AMP TO 200 AMP. COMPLY WITH DEPARTMENT ORDER EFFECTIVE DATE 8/20/2013. PERMIT WILL EXPIRE 30 DAYS FROM ISSUANCE DATE.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	130414000026658
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

405 N PALOS VERDES ST

Date:	**3/25/2008**
Permit Type:	
Description:	**No Plan Check Electrical permit for temporary power pole**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	080419000006603
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JM ELECTRICAL

ADJOINING PROPERTY FINDINGS

Date:	**1/23/2008**
Permit Type:	
Description:	**Plan Check On site grading 18.3 cu.yds. for new single family dwelling under permit no. 07010-10000-02809**
Permit Description:	**Grading**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Grading/Hillside
Permit Number:	070301000004228
Status:	
Valuation:	$18.00
Contractor Company:	
Contractor Name:	

C.O. Issued Date:	**2/18/2010**
Date:	**1/23/2008**
Permit Type:	
Description:	**Plan Check NEW 2 STORY SINGLE FAMILY DWELLING (2410 SQ.FT) WITH 573 SQ.FT. BASEMENT AND 2- CAR ATTACHED GARAGE (386 SQ.FT)**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	070101000002809
Status:	
Valuation:	$300,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

406 N PALOS VERDES ST

Date:	**6/15/2007**
Permit Type:	
Description:	**No Plan Check REPLACE ROOF ON THREE GARAGES**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Private Garage
Permit Number:	070164000011234
Status:	
Valuation:	$11,500.00
Contractor Company:	
Contractor Name:	

Date:	**8/28/2003**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL TO 03016 40000 16601 CORRECTING DESCRIPTION OF WORK TO'READ: REROOF OVER (E) 1 LAYER W/COMP. NO FEE/DEPT ERROR**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	030164000116601
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**8/20/2003**
Permit Type:	
Description:	**No Plan Check TEAR OFF, REPLACE WOOD ON APT. BLDG. ONLY AND REROOF APT. AND GARAGE.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	030164000016601
Status:	
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	

407 N PALOS VERDES ST

Date:	**2/3/2010**
Permit Type:	
Description:	**No Plan Check ELECTRICAL SERVICE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	100414000001898
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**3/17/2005**
Permit Type:	
Description:	**No Plan Check MINOR CORRECTIONS: INSTALL 1 ELECT. OUTLET, PLUMBING AND REPLACE DRYWALL**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	050164000004708
Status:	
Valuation:	$600.00
Contractor Company:	
Contractor Name:	

417 N PALOS VERDES ST

Date:	**8/2/2017**
Permit Type:	
Description:	**No Plan Check RE-ROOF 40 SQUARES WITH CLASS A OR B MA**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	170164000021452
Status:	
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	ECONOMY ROOFING & REPAIRS INC

ADJOINING PROPERTY FINDINGS

Date:	**11/2/2010**
Permit Type:	
Description:	**No Plan Check Re-roof with Class A or B material weighing less than 6 pound per sq. ft.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	100161000020056
Status:	
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	A A ROOFING AND WATERPROOF INC

Date:	**2/11/2000**
Permit Type:	
Description:	**No Plan Check REPLACE WATER HEATER**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	000424000002259
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MENDOZA PETER

ADJOINING PROPERTY FINDINGS

424 N PALOS VERDES ST

Date:	**1/27/2000**
Permit Type:	
Description:	**No Plan Check CHANGE OUT WATER HEATER**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	000424000001474
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ROTO ROOTER SERVICE & PLUMBING

Date:	**10/18/1996**
Permit Type:	
Description:	**T/O & REROOF W/CELOTEX 32 SQ. SMOKE DETECTORS REQ'D.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment
Permit Number:	960162000002431
Status:	
Valuation:	$6,340.00
Contractor Company:	
Contractor Name:	CHAMPION ROOFS

ADJOINING PROPERTY FINDINGS

431 N PALOS VERDES ST

Date:	**2/24/2009**
Permit Type:	
Description:	**No Plan Check REPLACE WALL HEATER**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	090444000001476
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SOUTHLANE PLUMBING

Date:	**2/8/2008**
Permit Type:	
Description:	**No Plan Check NEW UPGRADED ELECTRICAL SERVICE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	080414000002972
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**11/13/2006**
Permit Type:	
Description:	**No Plan Check WATER HEATER**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	060424000025595
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SOUTHLANE PLUMBING

ADJOINING PROPERTY FINDINGS

Date:	**10/17/2006**
Permit Type:	
Description:	**No Plan Check Replacement of damaged framing members (less than 10% of replacement cost of building) for houses and duplexes (not including decks). C/O (2) WINDOWS. SAME SIZE/LOCATION.Dual glazing, labeled and certified by National Fenestration Rating Council (NFRC), is required for doors and windows replaced in all residential buildings, three stories or less, per Section 152(b) of Title 24.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	060161000020874
Status:	
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**10/10/2006**
Permit Type:	
Description:	**No Plan Check COPPER REPIPE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	060424000023022
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SOUTHLANE PLUMBING

ADJOINING PROPERTY FINDINGS

Date:	**12/3/2002**
Permit Type:	
Description:	**No Plan Check CHANGE OUT WATER HEATER**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020421000037337
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**12/3/2002**
Permit Type:	
Description:	**No Plan Check CHANGE OUT FLOOR FURNACE AND VENT.**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020441000011686
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

433 N PALOS VERDES ST

Date:	**11/15/2006**
Permit Type:	
Description:	**No Plan Check CORRECT ADDRESS SUPPLEMENTAL TO PERMIT NO. 06042-40000 -25595 ******NO FEE DEPARTMENT ERROR********
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	060424000125595
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SOUTHLANE PLUMBING

Date:	**10/17/2006**
Permit Type:	
Description:	**No Plan Check C/O (2) WINDOWS. SAME SIZE/LOCATION.Dual glazing, labeled and certified by National Fenestration Rating Council (NFRC), is required for doors and windows replaced in all residential buildings, three stories or less, per Section 152 (b) of Title 24. SEE APP. COMMENTS.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	060161000020878
Status:	
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

436 N PALOS VERDES ST

Date:	**3/30/2004**
Permit Type:	
Description:	**No Plan Check Water Heater**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Commercial
Permit Number:	040429000009264
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PLUMB-PRO

Date:	**2/19/2004**
Permit Type:	
Description:	**No Plan Check INSTALL WATER HEATER**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Apartment
Permit Number:	040424000004949
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PLUMB-PRO

ADJOINING PROPERTY FINDINGS

500 N PALOS VERDES ST

Date:	**12/12/2002**
Permit Type:	
Description:	**No Plan Check tear off, replace wood as needed and reroof w/30-yr. comp.shing. 11sqrs(garage only)**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Private Garage
Permit Number:	020164000024442
Status:	
Valuation:	$1,900.00
Contractor Company:	
Contractor Name:	EXCEL ROOFING

503 N PALOS VERDES ST

Date:	**2/19/2003**
Permit Type:	
Description:	**No Plan Check EQ VALVE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	030424000005147
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ROMO PLUMBING

ADJOINING PROPERTY FINDINGS

508 N PALOS VERDES ST

Date:	**12/12/2002**
Permit Type:	
Description:	**No Plan Check tear off, replace wood as needed and reroof w/30-yr. comp.shing. 11sqrs(garage only)**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Private Garage
Permit Number:	020164000024446
Status:	
Valuation:	$1,900.00
Contractor Company:	
Contractor Name:	EXCEL ROOFING

Date:	**2/6/1997**
Permit Type:	
Description:	**No Plan Check install 4 new meter box w/ 50a mains**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Apartment
Permit Number:	970414000001153
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	HARBOR ELECTRIC

ADJOINING PROPERTY FINDINGS

519 N PALOS VERDES ST

Date:	**10/4/2000**
Permit Type:	
Description:	**No Plan Check T/O(E) & REROOF W/COMP - 46SQS**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	000164000019259
Status:	
Valuation:	$6,300.00
Contractor Company:	
Contractor Name:	

523 N PALOS VERDES ST

Date:	**6/24/2005**
Permit Type:	
Description:	**Plan Check DOCUMENT REVISIONS PER TYPE V SHEET: (1) New Bed Room, (2) New Bath Rooms, & Upgraded Exist'g Kitchen. Front Dwelling Unit Has Total 3 Bed Rooms & 3 Bath Rooms. Related Elec., Hvac., & Plumb. Suppl. Of Permit 05014-40000-03799.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	050144000103799
Status:	
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**6/10/2005**
Permit Type:	
Description:	**No Plan Check CHANGE 9-WINDOWS SAME SIZE/SAME LOCATION AND STUCCO**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	050164000011165
Status:	
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	PARIAN ESTEBAN PERFECTO

Date:	**6/10/2005**
Permit Type:	
Description:	**No Plan Check CHANGE 2-MAIN ELECTRICAL METERS**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050414000013556
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PARIAN ESTEBAN PERFECTO

Date:	**6/10/2005**
Permit Type:	
Description:	**No Plan Check INSTALL BATHROOM, FULL BATH TUB, TOILET AND SINK**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050424000014638
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PARIAN ESTEBAN PERFECTO

ADJOINING PROPERTY FINDINGS

C.O. Issued Date: **3/13/2006**
Date: **5/11/2005**
Permit Type:
Description: **Plan Check 1-STORY ADDITION (Enlarging Dining & Living Room) AT FRONT OF EXIST'G RESIDENCE PER STD. TYPE V SHEET. Work To Comply w/ "Order To Comply" Dated 1/27/2005 By Insp. G. Lynch.**

Permit Description: **Bldg-Addition**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 050144000003799
Status:
Valuation: $17,000.00
Contractor Company:
Contractor Name:

530 N PALOS VERDES ST

Date: **2/13/2015**
Permit Type:
Description: **No Plan Check COMPLETE WORK UNDER 10016-40000-12106 A 75% COMPLETED**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: Apartment Apartment
Permit Number: 150164000003339
Status:
Valuation: $502.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**11/6/2012**
Permit Type:	
Description:	**No Plan Check COMPLETE WORK STARTED UNDER EXPIRED PERM IT #10016-40000-12106 AT 90% COMPLETED.(MIN. 75% COMPLETED AS DETERMINED BY INSPECTION)**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	100164000112106
Status:	
Valuation:	$502.00
Contractor Company:	
Contractor Name:	

Date:	**7/7/2010**
Permit Type:	
Description:	**No Plan Check Drywall in Kitchen & Living Room. Kitchen Cabinets @ 534 N. Palos Verdes. Change out 29 Windows (Same size & type for residential buildings only) @ 530 & 534 N. Palos Verdes. Re-roof with Class 'A' materials weighing less than 6 pounds per sq. ft. (Renew expired Permit # 02016-40000-24596, 08016-40000-04610, & 08016-40001-24596**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	100164000012106
Status:	
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**4/7/2008**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTTAL TO PERMIT NO. 08016-40000-04610 FOR RE-ROOF W/CLASS 'A' OR 'B' MATERIALS WEIGHING LESS THAN 6 POUNDS PER SQ. FT.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	080164000104610
Status:	
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	

Date:	**3/20/2008**
Permit Type:	
Description:	**No Plan Check Drywall & Kitchen Cabinets @ 534 N. Palos Verdes. Change out 19 Windows (Same size & type for residential buildings only) @ 530 & 534 N. Palos Verdes. Dual glazing, labeled and certified by National Fenestration Rating Council (NFRC), is required for doors and windows replaced in all residential buildings, three stories or less, per Section 152(b) of Title 24.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	080164000004610
Status:	
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

531 N PALOS VERDES ST

Date:	**2/14/2018**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	180414000005600
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	GAP CONSTRUCTION INC

C.O. Issued Date:	**6/30/2005**
Date:	**3/17/2005**
Permit Type:	
Description:	**Plan Check add one car garage to existing garage to make it (3)car garage.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	050144000002254
Status:	
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**3/7/2001**
Permit Type:	
Description:	**Plan Check New 2-story (2500 s.f.) 26-0" high duplex with 2-car (399 s.f.) garage and (2) open parking spaces.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	000107000003265
Status:	
Valuation:	$189,000.00
Contractor Company:	
Contractor Name:	MC GREW CURTIS L DRYWALL AND DEVELOPMENT INC

Date:	**3/7/2001**
Permit Type:	
Description:	**No Plan Check 100-amp temporary power pole (CTS)**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	010417000004486
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MC GREW CURTIS L DRYWALL AND DEVELOPMENT INC

ADJOINING PROPERTY FINDINGS

532 N PALOS VERDES ST

Date:	**12/13/2002**
Permit Type:	
Description:	**No Plan Check replace (30) windows. same size, type & location. t/o(e) & reroof w/plywood, comp - 24sqs**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	020164000024596
Status:	
Valuation:	$11,500.00
Contractor Company:	
Contractor Name:	

536 N PALOS VERDES ST

Date:	**11/13/2014**
Permit Type:	
Description:	**No Plan Check TEAR OFF EXISTING ROOFING. RE-ROOF 42 S UARES W/CLASS 'A' OR 'B' MATERIALS WEIGHING LESS THAN 6 POUNDS PER SQ. FT. FIBERGLASS OR ASPHALT SHINGLES (MAX. 2 OVERLAYS).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	140164000023314
Status:	
Valuation:	$13,388.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**10/15/2012**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL TO PERMIT # 12016-40000-191 28 TO CORRECT ADDRESS TO INCLUDE 536, 538, & 540 N. PALOS VERDES STREET**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	120164000119128
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ACONE MICHAEL CONSTRUCTION

Date:	**10/15/2012**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL TO PERMIT # 12042-40000-174 43 TO CORRECT ADDRESS TO INCLUDE 536, 538, & 540 N. PALOS VERDES STREET & COPPER REPIPE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Apartment
Permit Number:	120424000117443
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ACONE MICHAEL CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date:	**9/24/2012**
Permit Type:	
Description:	**No Plan Check REPLACE DRYWALL (NO NEW WALLS ADDED) SPE CIFIC LOCATION: WATER HEATER CLOSET.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	120164000019128
Status:	
Valuation:	$750.00
Contractor Company:	
Contractor Name:	ACONE MICHAEL CONSTRUCTION

Date:	**9/24/2012**
Permit Type:	
Description:	**No Plan Check REPLACE WATER HEATER**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Apartment
Permit Number:	120424000017443
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ACONE MICHAEL CONSTRUCTION

ADJOINING PROPERTY FINDINGS

600 N PALOS VERDES ST

Date:	**6/11/2012**
Permit Type:	
Description:	**No Plan Check TEAR OFF EXISTING ROOFING. RE-ROOF 33 SQ UARES W/CLASS 'A' OR 'B' MATERIALS WEIGHING LESS THAN 6 POUNDS PER SQ. FT. WITH 1/2" CDX PLYWOOD (2 INSP. REQ'D). INSTALL FIBERGLASS OR ASPHALT SHINGLES (MAX. 2 OVERLAYS).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	Apartment Apartment
Permit Number:	120164000011484
Status:	
Valuation:	$10,800.00
Contractor Company:	
Contractor Name:	WEST ROOFING

Date:	**5/9/2003**
Permit Type:	
Description:	**No Plan Check EQ VALVE-ADDRESS TO INCLUDE 602&604 N. PALOS VERDES ST.**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	Apartment
Permit Number:	030424000014873
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DADDARIO PLUMBING

ADJOINING PROPERTY FINDINGS

W AMAR ST

203 W AMAR ST

Date:	**8/24/2015**
Permit Type:	
Description:	**No Plan Check RE-ROOF 25 SQUARES WITH CLASS A OR B ATERIAL WEIGHING LESS THAN 6 POUNDS PER. SQ FT. FOR RESIDENTIAL ROOF REPLACEMENT > 50% OF THE TOTAL ROOF AREA, APPLY COOL ROOF PRODUCT LABELED AND CERTIFIED BY COOL ROOF COUNCIL (CCRC). TEAR OFF EXISTING ROOFING. FIBERGLASS OR ASPHALT SHINGLES (MAX 2 OVERLAYS TOTAL). WORK BEING DONE ON BOTH PROPERTIES (DUPLEX, 201-203 W AMAR ST).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	150164000017885
Status:	
Valuation:	$6,000.00
Contractor Company:	
Contractor Name:	DANIEL ROOFING

Date:	**7/8/2014**
Permit Type:	
Description:	**No Plan Check ADD 30 AMP CIRCUIT TO PANEL**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Apartment
Permit Number:	140414000018283
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	P & M MECHANICAL HEATING AND AIR CONDITIONING SPECIALISTS INC

ADJOINING PROPERTY FINDINGS

Date: **7/8/2014**
Permit Type:
Description: **No Plan Check INSTALL MINI SPLIT HEAT PUMP ALL NEW DU T.**

Permit Description: **HVAC**
Work Class:
Proposed Use: Apartment
Permit Number: 140444000006777
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: P & M MECHANICAL HEATING AND AIR CONDITIONING SPECIALISTS INC

Date: **11/14/2008**
Permit Type:
Description: **No Plan Check REPLACE FURNACE**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 080444000011235
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: MECHANIC REFRIGERATION COMPANY INC

207 W AMAR ST

Date: **9/1/2015**
Permit Type:
Description: **No Plan Check REROOF 25 SQRS. W/CLASS 'A' OPR 'B' MAT**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Duplex
Permit Number: 150164000018479
Status:
Valuation: $4,000.00
Contractor Company:
Contractor Name: DANIEL ROOFING

ADJOINING PROPERTY FINDINGS

Date:	**9/24/2013**
Permit Type:	
Description:	**No Plan Check Bathroom (2) remodel for residential bui ldings (no structural changes).**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	130162000019827
Status:	
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	ONE WEEK BATH INC

225 W AMAR ST

C.O. Issued Date:	**3/30/2011**
Date:	**7/9/2010**
Permit Type:	
Description:	**Plan Check 14'-6" X 32'-0" ONE STORY ADDITION TO EXPAND EXISTING DUPLEX (+464 SQ FT) ADD LIVING ROOM TO EACH UNIT (THIS PROJECT ORIGINALLY APPROVED UNDER PERMIT # 03014-40000-04361).**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex Duplex
Permit Number:	080144000005172
Status:	
Valuation:	$502.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**6/14/2004**
Permit Type:	
Description:	**No Plan Check SMOKE DETECTOR IN UNIT #225**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	040414000014648
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MIDNIGHT ELECTRIC

Date:	**7/11/2003**
Permit Type:	
Description:	**Plan Check 14'-6" X 32'-0" ONE STORY ADDITION TO EXISTING DUPLEX (+ 464 SQ FT); ADD LIVING ROOM TO EACH UNIT.**
Permit Description:	**Bldg-Addition**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex Duplex
Permit Number:	030144000004361
Status:	
Valuation:	$37,120.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

231 W AMAR ST

Date:	**6/6/2005**
Permit Type:	
Description:	**No Plan Check INSTALL 2-METER SERVICE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	050414000013179
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	R M ELECTRIC SERVICE

Date:	**5/12/2005**
Permit Type:	
Description:	**No Plan Check STUCCO**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	050164000009016
Status:	
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	

Date:	**3/12/2004**
Permit Type:	
Description:	**No Plan Check INSTALL 2 SMOKE DET.**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	040414000006006
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**3/12/2004**
Permit Type:	
Description:	**No Plan Check SUPPLEMENTAL TO 04041-40000-06006 TO INCLUDE REPLACEMENT OF LIGHT FIXTURE**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	040414000106006
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**7/14/2003**
Permit Type:	
Description:	**No Plan Check NEW STUCCO ON ENCLOSED FRONT PATIO (6X10). VALUATION TO BE VERIFIED BY THE FIELD INSP.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020164000222931
Status:	
Valuation:	$400.00
Contractor Company:	
Contractor Name:	

Date:	**12/17/2002**
Permit Type:	
Description:	**No Plan Check rewire unit,**
Permit Description:	**Electrical**
Work Class:	
Proposed Use:	Commercial
Permit Number:	020419000027743
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	R M ELECTRIC SERVICE

ADJOINING PROPERTY FINDINGS

Date:	**12/10/2002**
Permit Type:	
Description:	**No Plan Check NEW BATH TUB & TUB FAUCET**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020429000038189
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	STANDARD PLUMBING

Date:	**11/19/2002**
Permit Type:	
Description:	**Plan Check window change out (9) total same size and location; enclose front patio 6'x10';**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020164000022931
Status:	
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	

Date:	**3/22/2002**
Permit Type:	
Description:	**No Plan Check EQ VALVE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020424000006664
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	STRUHS COMPANY

ADJOINING PROPERTY FINDINGS

Date:	**3/22/2002**
Permit Type:	
Description:	**No Plan Check EQ VALVE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020424000006665
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	STRUHS COMPANY

237 W AMAR ST

Date:	**1/14/2003**
Permit Type:	
Description:	**No Plan Check NEW STUCCO. VALUATION TO BE VERIFIED BY FIELD INSP.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	030164000000679
Status:	
Valuation:	$1,600.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**12/2/2002**
Permit Type:	
Description:	**Plan Check NEW CONCRETE MASONRY BLOCK WALL FENCE PER LA CITY STD. DETAIL. 250 LINEAL FT, 6 FT MAX HT IN SIDE YARD, 3.5 FT MAX HT. IN FRONT YARD.**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Misc. Bldg or Structure
Permit Number:	020204000003904
Status:	
Valuation:	$9,000.00
Contractor Company:	
Contractor Name:	

Date:	**11/19/2002**
Permit Type:	
Description:	**Plan Check reroof with new 1/2" osb with 8d@6-6-12; add new 2x 4 rafter in between existing rafters; new drywalls; new bathtub; new electrical and service panel; new plumbing fixture at bathrm; new entry door 3068; 9 window change out same size and location;**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	020164000022909
Status:	
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

239 W AMAR ST

C.O. Issued Date:	**4/26/2007**
Date:	**8/29/2006**
Permit Type:	
Description:	**Plan Check NEW SINGLE FAMILY DWELLING W/ATTACHED GARAGE AT REAR OF LOT.**
Permit Description:	**Bldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	060104000003112
Status:	
Valuation:	$150,000.00
Contractor Company:	
Contractor Name:	

Date:	**12/30/2002**
Permit Type:	
Description:	**No Plan Check Install EQ Valve**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020429000040185
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	L G S RETROFITTERS

ADJOINING PROPERTY FINDINGS

243 W AMAR ST

Date:	**12/2/2002**
Permit Type:	
Description:	**Plan Check NEW CONCRETE MASONRY BLOCK WALL FENCE PER LA CITY STD DETAIL. 63 LINEAL FT. 6FT MAX HT. IN SIDE YARD.**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Misc. Bldg or Structure
Permit Number:	020204000003917
Status:	
Valuation:	$2,200.00
Contractor Company:	
Contractor Name:	

Date:	**9/3/2002**
Permit Type:	
Description:	**No Plan Check EQ VALVE**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	020424000026297
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

W OFARRELL ST

223 W OFARRELL ST

Date:	**7/27/2001**
Permit Type:	
Description:	**No Plan Check TEAR OFF AND REROOF-15SQRS.**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Single Family Residence
Permit Number:	010164000014133
Status:	
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	

228 W OFARRELL ST

Date:	**3/3/2016**
Permit Type:	
Description:	**No Plan Check**
Permit Description:	**HVAC**
Work Class:	
Proposed Use:	Commercial
Permit Number:	160444000101525
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	FUTURA ENERGY INC

ADJOINING PROPERTY FINDINGS

Date: **2/10/2016**
Permit Type:
Description: **No Plan Check**

Permit Description: **HVAC**
Work Class:
Proposed Use: Commercial
Permit Number: 160444000001525
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: FUTURA ENERGY INC

W OLIVER ST

224 W OLIVER ST

Date: **10/26/2016**
Permit Type:
Description: **No Plan Check Floor insulation**

Permit Description: **Bldg-Alter/Repair**
Work Class:
Proposed Use: 1 or 2 Family Dwelling Single Family Residence
Permit Number: 160167000025719
Status:
Valuation: $1,200.00
Contractor Company:
Contractor Name: FUTURA ENERGY INC

ADJOINING PROPERTY FINDINGS

Date: **10/26/2016**
Permit Type:
Description: **No Plan Check**

Permit Description: **HVAC**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 160447000012376
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: FUTURA ENERGY INC

Date: **6/24/1999**
Permit Type:
Description: **No Plan Check CHANGE (E) METER TO NEW METER**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 990414000012192
Status:
Valuation: $0.00
Contractor Company:
Contractor Name:

227 W OLIVER ST

Date: **3/21/2005**
Permit Type:
Description: **No Plan Check SMOKE DETECTORS**

Permit Description: **Electrical**
Work Class:
Proposed Use: 1 or 2 Family Dwelling
Permit Number: 050414000006255
Status:
Valuation: $0.00
Contractor Company:
Contractor Name: 911 ELECTRIC

ADJOINING PROPERTY FINDINGS

230 W OLIVER ST

Date:	**3/31/1998**
Permit Type:	
Description:	**No Plan Check CORRECTING ADDRESS ON 98SP27291 - FROM 320 BANDINI TO 230-232 W. OLIVER ST., ALSO CHANGE FROM SFD TO DUPLEX. PERMIT APPROVED BY ENG. PO**
Permit Description:	**Bldg-Alter/Repair**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling Duplex
Permit Number:	980164000005686
Status:	
Valuation:	$301.00
Contractor Company:	
Contractor Name:	PENNY ROOFING

Date:	**3/25/1998**
Permit Type:	
Description:	**No Plan Check REMODEL BATHROOM PERMIT APPROVED BY ENG. PO**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	980424000003695
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	FER PETE & SON PLUMBING AND SUPPLY

ADJOINING PROPERTY FINDINGS

237 W OLIVER ST

Date:	**2/13/2004**
Permit Type:	
Description:	**Plan Check NEW 6" CONCRETE MASONRY WALL PER LA CITY STANDARD DETAIL: MAX LINEAR LENGTH = 62'8" AND MAX HEIGHT=6'**
Permit Description:	**Nonbldg-New**
Work Class:	
Proposed Use:	Apartment Misc. Bldg or Structure
Permit Number:	040207000000523
Status:	
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	

240 W OLIVER ST

Date:	**11/22/2003**
Permit Type:	
Description:	**No Plan Check eq valve**
Permit Description:	**Plumbing**
Work Class:	
Proposed Use:	1 or 2 Family Dwelling
Permit Number:	030429000036666
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	STRUHS COMPANY

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Appendix C EDR Environmental Lien and AUL Search Report and Chain of Title Report

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731

Inquiry Number: 5450134.7
October 12, 2018

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

515 N Beacon St
LABOE Beacon St San Pedro
San Pedro, CA 90731

RESEARCH SOURCE

Source 1:

LA Recorder
Los Angeles, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	State of Calif
Title received from:	BSP Development Corp
Deed Dated	12/27/1993
Deed Recorded:	2/18/1994
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	apn chg
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	State of Calif
Parcel # / Property Identifier:	7449-007-900
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

FIRST AMERICAN TITLE COMPANY OF L.A.
"SUBDIVISION"

Recording Requested by
DEPARTMENT OF TRANSPORTATION
When Recorded, Mail to
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
120 South Spring Street
Los Angeles, California 90012

R/W ESCROW

94 347252

RECORDED/FILED IN OFFICIAL RECORDS
RECORDER'S OFFICE
LOS ANGELES COUNTY
CALIFORNIA
1 MIN. PAST 10 A.M. FEB 18 1994

FREE 1 M

Map No. F2105-7
RWPE: IWASAKI 2-9-93(All)
Written by:JMI Checked by:APP

SPACE ABOVE THIS LINE FOR RECORDER'S USE

N of O'Farrell St., W of Beacon St.

GRANT DEED
(CORPORATION)

DISTRICT	COUNTY	ROUTE	POST MILE	NUMBER
07	LA	110	0.8	74276

ID-110-1(573)

BSP Development Corp. A California Corporation

a corporation organized and existing under and by virtue of the laws of the State of California,
does hereby GRANT to the STATE OF CALIFORNIA all that real property in the City of Los Angeles,
, County of Los Angeles, State of California, described as:

PARCEL 1:

Lots 9 to 16 inclusive of Block 2 of the lands of the Pacific Coast Steamship Company of San Pedro, as per map recorded in Book 6, page 335, of Miscellaneous Records, in the office of the County Recorder of said county.

PARCEL 2:

That portion of Lot 10 of Tract No. 2853, as per map recorded in Book 28, page 69 of Maps, in the office of the County Recorder of said county, bounded Northwesterly by the Southeasterly line of the land described in Parcel 1 of State Highway Relinquishment No. 464 recorded in Book R2557, page 970 Official Records of said county, together with those portions of

FEB 18 1994

910 9610-51

FORM RW 02.6 (REV. 12-92)

Dreifus Street, (formerly Bonita Street), Harbor Boulevard, and Beacon Street, as shown on said map recorded in Book 28, page 69, adjoining the hereinabove described parcel of land and vacated by Final Ordinance No. 147,953, in the City of Los Angeles, a certified copy of which was recorded on January 9, 1976 as Instrument No. 4294, Official Records, in the office of the County Recorder of said county, bounded Southerly by the center line of Dreifus Street and its Easterly prolongation bounded Northwesterly by the Southeasterly line and its Northeasterly prolongation of the land described in said Parcel 1 of said State Highway Relinquishment, and bounded Northeasterly by the Northeasterly line of said Final Ordinance of Vacation No. 147,953.

EXCEPT THEREFROM all oil, oil rights, minerals, mineral rights, natural gas, natural gas rights, and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described, together with the perpetual right of drilling, mining, exploring and operating therefor and removing the same from said land or any other land, including the right to whipstock or directionally drill and mine from lands other than those hereinabove described, oil or gas wells, tunnels and shafts into, through or across the subsurface of the land hereinabove described, and to bottom such whipstocked or directionally drilled wells, tunnels and shafts under and beneath or beyond the exterior limits thereof, and to redrill, retunnel, equip, maintain, repair, deepen and operate any such wells or mines, without, however, the right to drill, mine, explore and

FEB 18 1994

operate through the surface or the upper 100 feet of the subsurface of the land hereinabove described or otherwise in such manner as to endanger the safety of any highway that may be constructed on said lands as excepted by decree recorded April 30, 1962 in Book D1597, page 462, Official Records.

PARCEL 3:

All that portion of the Southerly one-half of Dreifus Street (formerly Bonita Street), the Westerly one-half of Beacon Street each 60.00 feet wide and the Southwesterly 2.00 feet of Harbor Boulevard, 130.00 feet wide; as shown on map of Tract No. 2853, in the City of Los Angeles, as recorded in Book 28, page 69 of Maps, in the office of the County Recorder of said county, a portion of which was vacated by Final Ordinance No. 147,953, in the City of Los Angeles, a certified copy of which was recorded on January 9, 1976 as Instrument No. 4294, Official Records, in the office of the County Recorder of said county, bounded as follows:

On the West by the Northerly prolongation of the Westerly line of Lot 16 of The Pacific coast Steamship Company, in the City of Los Angeles, as shown on map recorded in Book 6, page 335 of Miscellaneous Records, in the office of the County Recorder of said county, on the Northwest by the Southeasterly line of Parcel 1 of State Highway Relinquishment No. 464 recorded In Book R-2557, page 970 of Official Records of said county, bounded Northerly by the center line of said Dreifus Street and its Easterly prolongation, bounded Northeasterly by the Northeasterly line of said Final Ordinance of Vacation No. 147,953 bounded

FEB 18 1994

Easterly by the center line of said Beacon Street and its Northerly prolongation, and bounded Southerly by the Easterly prolongation of the Southerly line of Lot 15 of said Pacific Coast Steamship Company.

EXCEPT that portion of said Dreifus Street lying Northwesterly of the Southeasterly line of the land shown on Parcel 1 on map recorded on November 19, 1965 in State Highway Map Book No. 2, page 99, Records of said county.

ALSO EXCEPT that portion of said land lying Northeasterly of the Southeasterly prolongation of the Northeasterly line of Lots 2 to 9, inclusive, of Tract No. 2853, as per map recorded in Book 28, page 69 of Maps, in the office of the County Recorder of said county.

ALSO EXCEPT that portion of said land lying Westerly of the Northerly prolongation of the West line of said Lot 15.

PARCEL 4:

A parcel of land in the City of Los Angeles, being that portion of Beacon Street, 60.00 feet wide, as shown on map of lands of the Pacific Coast Steamship Company recorded in Book 6, page 335 of Miscellaneous Records, in the office of the County Recorder of said county, bounded and described as follows:

Beginning at the intersection of the Westerly line of the East half of said Beacon Street with a line parallel with and distant 2.00 feet Northeasterly measured at right angles from the Southwesterly line of Harbor Boulevard, as described in deed recorded in Book 5343,. page 124 of Deeds, in the office of the County Recorder; thence Southeasterly along said parallel line to

FEB 18 1994

the beginning of a tangent curve concave to the West, having a radius of 25.00 feet and being tangent at its point of ending to a reverse curve concave to the Southeast and having a radius of 110.00 feet, said reverse curve being tangent at its point of ending to the Westerly line of said Beacon Street, 60.00 feet wide, thence Southerly along said curve having a radius of 25.00 feet through a central angle of 68° 13' 34", an arc distance of 29.77 feet to its point of tangency with said curve having a radius of 110.00 feet; thence Southeasterly along said curve having a radius of 110.00 feet to said Westerly line of the East half of Beacon Street; thence Northerly along said last mentioned Westerly line to the point of beginning.

EXCEPT all oil, gas, water and mineral rights, without, however, the right to use the surface of said land or any portion thereof, to a depth of 500 feet below the surface thereof for the extraction of such oil, gas, water or minerals, as reserved by the City of Los Angeles, in deed recorded January 11, 1978 as Instrument No. 78-40120.

FEB 18 1994

IN WITNESS WHEREOF said corporation has caused its corporate name to be hereunto subscribed and its corporate seal to be affixed hereto, this 27th day of December, 19 93.

BSP DEVELOPMENT CORP.

By Peter Mandia, Chairman/ President

By Karoline Sadler, Secretary

[CORPORATE SEAL]

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT No 5193

State of California
County of Los Angeles

On 12-27-93 DATE before me, Nancy Onorato, Notary Public NAME, TITLE OF OFFICER E.G. 'JANE DOE NOTARY PUBLIC

personally appeared Peter Mandia & Karoline Sadler NAME(S) OF SIGNER(S)

☒ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NANCY ONORATO
COMM. # 978704
Notary Public — California
LOS ANGELES COUNTY
My Comm. Expires DEC 22, 1996

Nancy Onorato
SIGNATURE OF NOTARY

OPTIONAL SECTION
CAPACITY CLAIMED BY SIGNER
Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document

☐ INDIVIDUAL
☒ CORPORATE OFFICER(S) Chairman/President & Secretary TITLE(S)
☐ PARTNER(S) ☐ LIMITED ☐ GENERAL
☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER: _____

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)
BSP Development Corp

OPTIONAL SECTION
THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT:

Though the data requested here is not required by law, it could prevent fraudulent reattachment of this form

TITLE OR TYPE OF DOCUMENT Quit Claim
NUMBER OF PAGES 6 DATE OF DOCUMENT 12-27-93
SIGNER(S) OTHER THAN NAMED ABOVE None

©1993 NATIONAL NOTARY ASSOCIATION • 8236 Remmet Ave., P.O. Box 7184 • Canoga Park, CA 91309-7184

FEB 18 1994

IN WITNESS WHEREOF, I have hereunto set my hand this 7 day of February, 19 94

JAMES W. van LOBEN SELS
Director of Transportation

By for JAMES A. DUSINI
R/W Acquisition Branch
Attorney in Fact

Executed [illegible]

IN WITNESS WHEREOF, said corporation has caused its corporate name to be hereunto subscribed and its corporate seal to be affixed hereto, this 27th day of December, 19 93.

BSP DEVELOPMENT CORP.

By _____, Chairman/ President
Peter Mardia

By _____, Secretary
Karoline Sadler

[CORPORATE SEAL]

STATE OF CALIFORNIA
County of _____ ss.

On _____, before me, the undersigned Notary Public in and for said County and State, personally appeared _____,

☐ personally known to me,
☐ proved to me on the basis of satisfactory evidence,

to be the person who executed the within instrument as the _____ President and _____ Secretary, respectively, of _____, and acknowledged to me that the corporation executed it.

WITNESS my hand and official seal.

Signature _____
Notary Public in and for said County and State

(for notary seal or stamp)

FEB 18 1994

(CERTIFICATE OF ACCEPTANCE, GOVT. CODE, SECTION 27281)

THIS IS TO CERTIFY, That the State of California, grantee herein, acting by and through the Department of Transportation, hereby accepts for public purposes the real property, or interest therein, conveyed by the within deed and consents to the recordation thereof.

IN WITNESS WHEREOF, I have hereunto set my hand this 7 day of February 19 94

JAMES W. van LOBEN SELS
Director of Transportation

By _____
for JAMES A. DUSINI
R/W Acquisition Branch
Attorney in Fact

Exempt per R&T

LABOE BEACON ST SAN PEDRO
515 N BEACON ST
SAN PEDRO, CA 90731

Inquiry Number: 5450134.13S
OCTOBER 11, 2018

The EDR 1940 Chain of Title

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property.

A network of professional abstractors following established procedures, uses client supplied address information to locate:

- Historical Chain of Title research
- Leases and Miscellaneous

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer – Copyright and Trademark Notice

This report was prepared for the use of Environmental Data Resources, Inc. and AFX Research LLC, exclusively. This report is neither a guarantee of title, a commitment to insure, nor a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.** Environmental Data Resources, Inc. (EDR) and AFX Research LLC specifically disclaim the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EDR Chain of Title

TARGET PROPERTY INFORMATION

ADDRESS

LABOE BEACON ST SAN PEDRO

515 N BEACON ST

SAN PEDRO, CA 90731

RESEARCH SOURCE

SOURCE 1:	LOS ANGELES COUNTY RECORDER'S OFFICE
SOURCE 2:	LOS ANGELES COUNTY ASSESSOR'S OFFICE
EXAMINER'S NOTE:	PUBLIC RECORDS OF LOS ANGELES COUNTY, CA WERE SEARCHED FROM JANUARY 1, 1940 TO AUGUST 31, 2018, AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED.

PROPERTY DESCRIPTION

CURRENT OWNER:	STATE OF CALIFORNIA
LEGAL DESCRIPTION:	VAC ST,LOTS 9 THRU 16 MR-6-335 AND POR OF LOT 10 TR NO 2853
PROPERTY IDENTIFIERS:	7449-007-900
GENERAL COMMENTS:	NA

HISTORICAL CHAIN OF TITLE

SEE EXHIBIT "A"

LEASES AND MISCELLANEOUS

SEE EXHIBIT "B"

CHAIN OF TITLE

EXHIBIT "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL 7449-007-900

CHAIN 1

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	STATE OF CALIFORNIA
TITLE RECEIVED FROM:	BSP DEVELOPMENT
DATE EXECUTED:	12/27/1993
DATE RECORDED:	02/19/1994
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	94 347252
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 2

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	BSP DEVELOPMENT
TITLE RECEIVED FROM:	GEORGE TUMANJAN AND MICHAEL TUMANJAN
DATE EXECUTED:	01/22/1991
DATE RECORDED:	01/24/1991
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	91 198063
DOCKET:	NA
LAND RECORD COMMENTS:	NA

EDR Chain of Title

CHAIN 3

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	GEORGE TUMANJAN
TITLE RECEIVED FROM:	CECIL R. OWENS
DATE EXECUTED:	12/29/1987
DATE RECORDED:	12/30/1987
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	87-2051711
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 4

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	MICHAEL TUMANJAN
TITLE RECEIVED FROM:	GAIL TUMANJAN
DATE EXECUTED:	12/29/1987
DATE RECORDED:	12/30/1987
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	87-2051710
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 5

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	GEORGE TUMANJAN
TITLE RECEIVED FROM:	IRENE TUMANJAN
DATE EXECUTED:	12/29/1987
DATE RECORDED:	12/30/1987
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	87-2051709
DOCKET:	NA
LAND RECORD COMMENTS:	NA

EDR Chain of Title

CHAIN 6

TYPE OF DEED:	QUIT CLAIM DEED
TITLE IS VESTED IN:	CECIL R. OWENS
TITLE RECEIVED FROM:	BSP DEVELOPMENT CORP
DATE EXECUTED:	12/29/1987
DATE RECORDED:	12/30/1987
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	87-2051707
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 7

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	CECIL R. OWENS
TITLE RECEIVED FROM:	LE JADE OWENS
DATE EXECUTED:	12/19/1987
DATE RECORDED:	12/30/1987
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	87-2051707
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 8

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	BSP DEVELOPMENT CORP
TITLE RECEIVED FROM:	LOUISIANA-PACIFIC CORP
DATE EXECUTED:	08/26/1986
DATE RECORDED:	09/30/1986
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	86-1301511
DOCKET:	NA
LAND RECORD COMMENTS:	NA

EDR Chain of Title

CHAIN 9

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	LOUISIANA-PACIFIC CORP
TITLE RECEIVED FROM:	LONE STAR BUILDING CENTERS FORMERLY KNOWN AS E.K. WOOD LUMBER SUPPLY CO.
DATE EXECUTED:	04/26/1979
DATE RECORDED:	05/02/1979
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	79-472272
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 10

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	CLARA ETTA EGINTON
TITLE RECEIVED FROM:	CHARLES L. EGINTON AND JESSIE SWARTZ, CO-EXECUTORS OF THE LOTTIE EGINTON ESTATE
DATE EXECUTED:	08/25/1958
DATE RECORDED:	09/08/1958
BOOK:	D209
PAGE:	315
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	NA

EDR Chain of Title

CHAIN 11

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	JESSIE EGINTON
TITLE RECEIVED FROM:	CHARLES L. EGINTON AND JESSIE SWARTZ, CO-EXECUTORS OF THE LOTTIE EGINTON ESTATE
DATE EXECUTED:	08/25/1958
DATE RECORDED:	09/08/1958
BOOK:	D209
PAGE:	312
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 12

TYPE OF DEED:	GRANT DEED
TITLE IS VESTED IN:	E.K. WOOD LUMBER SUPPLY CO.
TITLE RECEIVED FROM:	JESSIE L. SWARTZ, CHARLES L. EGINTON AND CLARA ETTA EGINTON
DATE EXECUTED:	08/27/1958
DATE RECORDED:	09/04/1958
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	1038
DOCKET:	NA
LAND RECORD COMMENTS:	NO ADDITIONAL DEED FOUND INTO GRANTORS

EDR Chain of Title

LEASES AND MISCELLANEOUS

EXHIBIT "B"

EDR Chain of Title

LEASES AND MISCELLANEOUS

TYPE OF INSTRUMENT: NONE IDENTIFIED

FIRST PARTY:

SECOND PARTY:

RECORDED:

PAGE:

BOOK:

INSTRUMENT #:

COMMENTS:

FIRST AMERICAN TITLE COMPANY OF L.A.
"SUBDIVISION"

Recording Requested by
DEPARTMENT OF TRANSPORTATION
When Recorded, Mail to
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
120 South Spring Street
Los Angeles, California 90012

R/W ESCROW

94 347252

RECORDED/FILED IN OFFICIAL RECORDS
RECORDER'S OFFICE
LOS ANGELES COUNTY
CALIFORNIA
1 MIN. PAST 10 A.M. FEB 18 1994

FREE 1 M

Map No. F2105-7
RWPE: IWASAKI 2-9-93(All)
Written by:JMI Checked by:APP

SPACE ABOVE THIS LINE FOR RECORDER'S USE
N of O'Farrell St., W of Beacon St.

GRANT DEED
(CORPORATION)

DISTRICT	COUNTY	ROUTE	POST MILE	NUMBER
07	LA	110	0.8	74276

ID-110-1(573)

7449-7-24

BSP Development Corp. A California Corporation

a corporation organized and existing under and by virtue of the laws of the State of California, does hereby GRANT to the STATE OF CALIFORNIA all that real property in the City of Los Angeles, County of Los Angeles, State of California, described as

PARCEL 1:

Lots 9 to 16 inclusive of Block 2 of the lands of the Pacific Coast Steamship Company of San Pedro, as per map recorded in Book 6, page 335, of Miscellaneous Records, in the office of the County Recorder of said county.

PARCEL 2:

That portion of Lot 10 of Tract No. 2853, as per map recorded in Book 28, page 69 of Maps, in the office of the County Recorder of said county, bounded Northwesterly by the Southeasterly line of the land described in Parcel 1 of State Highway Relinquishment No. 464 recorded in Book R2557, page 970 Official Records of said county, together with those portions of

FEB 18 1994

9109610-51

FORM RW 02 A (REV. 12 93)

Dreifus Street, (formerly Bonita Street), Harbor Boulevard, and Beacon Street, as shown on said map recorded in Book 28, page 69, adjoining the hereinabove described parcel of land and vacated by Final Ordinance No. 147,953, in the City of Los Angeles, a certified copy of which was recorded on January 9, 1976 as Instrument No. 4294, Official Records, in the office of the County Recorder of said county, bounded Southerly by the center line of Dreifus Street and its Easterly prolongation bounded Northwesterly by the Southeasterly line and its Northeasterly prolongation of the land described in said Parcel 1 of said State Highway Relinquishment, and bounded Northeasterly by the Northeasterly line of said Final Ordinance of Vacation No. 147,953.

EXCEPT THEREFROM all oil, oil rights, minerals, mineral rights, natural gas, natural gas rights, and other hydrocarbons by whatsoever name known that may be within or under the parcel of land hereinabove described, together with the perpetual right of drilling, mining, exploring and operating therefor and removing the same from said land or any other land, including the right to whipstock or directionally drill and mine from lands other than those hereinabove described, oil or gas wells, tunnels and shafts into, through or across the subsurface of the land hereinabove described, and to bottom such whipstocked or directionally drilled wells, tunnels and shafts under and beneath or beyond the exterior limits thereof, and to redrill, retunnel, equip, maintain, repair, deepen and operate any such wells or mines, without, however, the right to drill, mine, explore and

FEB 18 1994

operate through the surface or the upper 100 feet of the subsurface of the land hereinabove described or otherwise in such manner as to endanger the safety of any highway that may be constructed on said lands as excepted by decree recorded April 30, 1962 in Book D1597, page 462, Official Records.

PARCEL 3:

All that portion of the Southerly one-half of Dreifus Street (formerly Bonita Street), the Westerly one-half of Beacon Street each 60.00 feet wide and the Southwesterly 2.00 feet of Harbor Boulevard, 130.00 feet wide; as shown on map of Tract No. 2853, in the City of Los Angeles, as recorded in Book 28, page 69 of Maps, in the office of the County Recorder of said county, a portion of which was vacated by Final Ordinance No. 147,953, in the City of Los Angeles, a certified copy of which was recorded on January 9, 1976 as Instrument No. 4294, Official Records, in the office of the County Recorder of said county, bounded as follows:

On the West by the Northerly prolongation of the Westerly line of Lot 16 of The Pacific coast Steamship Company, in the City of Los Angeles, as shown on map recorded in Book 6, page 335 of Miscellaneous Records, in the office of the County Recorder of said county, on the Northwest by the Southeasterly line of Parcel 1 of State Highway Relinquishment No. 464 recorded In Book R-2557, page 970 of Official Records of said county, bounded Northerly by the center line of said Dreifus Street and its Easterly prolongation, bounded Northeasterly by the Northeasterly line of said Final Ordinance of Vacation No. 147,953 bounded

FEB 18 1994

Easterly by the center line of said Beacon Street and its Northerly prolongation, and bounded Southerly by the Easterly prolongation of the Southerly line of Lot 15 of said Pacific Coast Steamship Company.

EXCEPT that portion of said Dreifus Street lying Northwesterly of the Southeasterly line of the land shown on Parcel 1 on map recorded on November 19, 1965 in State Highway Map Book No. 2, page 99, Records of said county.

ALSO EXCEPT that portion of said land lying Northeasterly of the Southeasterly prolongation of the Northeasterly line of Lots 2 to 9, inclusive, of Tract No. 2853, as per map recorded in Book 28, page 69 of Maps, in the office of the County Recorder of said county.

ALSO EXCEPT that portion of said land lying Westerly of the Northerly prolongation of the West line of said Lot 15.

PARCEL 4:

A parcel of land in the City of Los Angeles, being that portion of Beacon Street, 60.00 feet wide, as shown on map of lands of the Pacific Coast Steamship Company recorded in Book 6, page 335 of Miscellaneous Records, in the office of the County Recorder of said county, bounded and described as follows:

Beginning at the intersection of the Westerly line of the East half of said Beacon Street with a line parallel with and distant 2.00 feet Northeasterly measured at right angles from the Southwesterly line of Harbor Boulevard, as described in deed recorded in Book 5343,. page 124 of Deeds, in the office of the County Recorder; thence Southeasterly along said parallel line to

FEB 18 1994

the beginning of a tangent curve concave to the West, having a radius of 25.00 feet and being tangent at its point of ending to a reverse curve concave to the Southeast and having a radius of 110.00 feet, said reverse curve being tangent at its point of ending to the Westerly line of said Beacon Street, 60.00 feet wide, thence Southerly along said curve having a radius of 25.00 feet through a central angle of 68° 13' 34", an arc distance of 29.77 feet to its point of tangency with said curve having a radius of 110.00 feet; thence Southeasterly along said curve having a radius of 110.00 feet to said Westerly line of the East half of Beacon Street; thence Northerly along said last mentioned Westerly line to the point of beginning.

EXCEPT all oil, gas, water and mineral rights, without, however, the right to use the surface of said land or any portion thereof, to a depth of 500 feet below the surface thereof for the extraction of such oil, gas, water or minerals, as reserved by the City of Los Angeles, in deed recorded January 11, 1978 as Instrument No. 78-40120.

FEB 18 1994

IN WITNESS WHEREOF said corporation has caused its corporate name to be hereunto subscribed and its corporate seal to be affixed hereto, this 27th day of December, 19 93.

BSP DEVELOPMENT CORP.

By Peter Mandia, Chairman/ President

By Karoline Sadler, Secretary

[CORPORATE SEAL]

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

No 5192

State of California

County of Los Angeles

On 12-27-93 (DATE) before me, Nancy Onorato, Notary Public (NAME, TITLE OF OFFICER E.G. JANE DOE, NOTARY PUBLIC)

personally appeared Peter Mandia & Karoline Sadler (NAME(S) OF SIGNER(S))

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NANCY ONORATO
COMM. # 978704
Notary Public — California
LOS ANGELES COUNTY
My Comm. Expires DEC 22, 1996

Nancy Onorato
SIGNATURE OF NOTARY

OPTIONAL SECTION
CAPACITY CLAIMED BY SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document

- ☐ INDIVIDUAL
- ☒ CORPORATE OFFICER(S) Chairman/President & Secretary (TITLE(S))
- ☐ PARTNER(S) ☐ LIMITED ☐ GENERAL
- ☐ ATTORNEY-IN-FACT
- ☐ TRUSTEE(S)
- ☐ GUARDIAN/CONSERVATOR
- ☐ OTHER: _____

SIGNER IS REPRESENTING:

NAME OF PERSON(S) OR ENTITY(IES): BSP Development Corp

OPTIONAL SECTION

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT:

Though the data requested here is not required by law, it could prevent fraudulent reattachment of this form

TITLE OR TYPE OF DOCUMENT Grant Deed

NUMBER OF PAGES 6 DATE OF DOCUMENT 12-27-93

SIGNER(S) OTHER THAN NAMED ABOVE None

© 1993 NATIONAL NOTARY ASSOCIATION • 8236 Remmet Ave., P.O. Box 7184 • Canoga Park, CA 91309-7184

FEB 18 1994

IN WITNESS WHEREOF, I have hereunto set my hand this 7 day of February, 19 94

JAMES W. van LOBEN SELS
Director of Transportation

By James A. Dusini
for JAMES A. DUSINI
R/W Acquisition Branch
Attorney in Fact

Executed in Duplicate

IN WITNESS WHEREOF, said corporation has caused its corporate name to be hereunto subscribed and its corporate seal to be affixed hereto, this 27th day of December, 19 93.

BSP DEVELOPMENT CORP.

By Peter Mardia, Chairman/ President

By Karoline Sadler, Secretary

[CORPORATE SEAL]

STATE OF CALIFORNIA
County of _____ ss.

On _____, before me, the undersigned Notary Public in and for said County and State, personally appeared _____,

☐ personally known to me,
☐ proved to me on the basis of satisfactory evidence,
to be the person who executed the within instrument as the _____ President and _____ Secretary, respectively, of _____, and acknowledged to me that the corporation executed it.

WITNESS my hand and official seal.

(for notary seal or stamp)

Signature _____
Notary Public in and for said County and State

FEB 18 1994

(CERTIFICATE OF ACCEPTANCE, GOVT. CODE, SECTION 27281)

THIS IS TO CERTIFY. That the State of California, grantee herein, acting by and through the Department of Transportation, hereby accepts for public purposes the real property, or interest therein, conveyed by the within deed and consents to the recordation thereof.

IN WITNESS WHEREOF, I have hereunto set my hand this 7 day of February, 19 94.

JAMES W. van LOBEN SELS
Director of Transportation

By _____
for JAMES A. DUSINI
R/W Acquisition Branch
Attorney in Fact

Appendix D Environmental Database Report

LABOE Beacon St San Pedro
515 N Beacon St
San Pedro, CA 90731

Inquiry Number: 5450134.2s
October 10, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	132
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

515 N BEACON ST
SAN PEDRO, CA 90731

COORDINATES

Latitude (North):	33.7471880 - 33° 44' 49.87''
Longitude (West):	118.2807540 - 118° 16' 50.71''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	381369.4
UTM Y (Meters):	3734668.2
Elevation:	22 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640434 SAN PEDRO, CA
Version Date:	2012
North Map:	5633779 TORRANCE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
515 N BEACON ST
SAN PEDRO, CA 90731

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	JOHN S GIBSON BLVD I	515 NORTH BEACON STR	NPDES, CIWQS		TP
A2	LOUISIANA-PACIFIC CO	515 N BEACON ST	SWEEPS UST, CA FID UST		TP
A3	GRIFFITH COMPANY	515 N BEACON ST	HAZNET		TP
A4	LOUISIANA-PACIFIC CO	515 N BEACON ST	HIST UST		TP
A5	LOUISIANA-PACIFIC CO	515 NO BEACON ST	HIST UST, HAZNET		TP
A6	LOUISIANA-PACIFIC CO	515 N BEACON ST	HIST UST		TP
A7	LEWIN ED THRIFTY SER	525 N HARBOR BLVD	EDR Hist Auto	Lower	85, 0.016, NE
B8	LOS ANGELES MARINE H	345 N BEACON ST	SWEEPS UST, HIST UST, CA FID UST	Higher	110, 0.021, South
9	LA PUMPING PLANT #67	530 N HARBOR BLVD	RCRA-SQG, FINDS, ECHO	Lower	121, 0.023, NE
B10	ARCO BATTERY MFG CO	327 N HARBOR BLVD	RCRA-SQG, FINDS, ECHO	Lower	210, 0.040, SSE
11	HIS & ERS CLEANERS	221 W OLIVER ST	EDR Hist Cleaner	Higher	314, 0.059, WSW
12	VAN DAVES SERVICE	650 N HARBOR BLVD	EDR Hist Auto	Lower	354, 0.067, North
C13	L.A. CRUISE SHIP TER	BERTH 93	UST	Lower	497, 0.094, NE
C14	LOS ANGELES CRUISE S	BERTH 93C	RCRA-SQG	Lower	524, 0.099, NE
D15	SANDOVAL TRUCKING	24724 SOUTH WILMINGT	RCRA NonGen / NLR	Higher	529, 0.100, South
D16	SIGNAL OIL STATION	259 N HARBOR BLVD	EDR Hist Auto	Lower	594, 0.112, SSE
E17	FORMER UNION OIL HAR	N/A FRONT STREET	CPS-SLIC	Lower	681, 0.129, NNW
C18	CHEVRON USA INC SAN	1502 SWINFORD ST	RCRA-SQG, FINDS, ECHO	Lower	704, 0.133, NE
D19	EDISON/SAN PEDRO MGP	SANTA CRUZ ST. CENTR	ENVIROSTOR, VCP	Higher	799, 0.151, South
F20	KINDER MORGAN LIQUID	BERTH 119	AST	Lower	819, 0.155, NE
F21	SHELL OIL PRODUCTS /	BERTH 168	AST	Lower	832, 0.158, NE
F22	PASHA STEVEDORING &	BERTH 178	AST	Lower	835, 0.158, NE
F23	LA PUMPING PLANT #81	0 BERTH 77	RCRA-SQG, FINDS, ECHO	Lower	839, 0.159, NE
E24	TODD PACIFIC SHIPYAR	710 N. FRONT STREET	HIST UST, CA FID UST, RCRA NonGen / NLR, Notify 65	Lower	939, 0.178, NNW
E25	TODD PACIFIC SHIPYAR	710 FRONT ST	ENVIROSTOR, EMI, HIST CORTESE, NPDES, CIWQS	Lower	939, 0.178, NNW
26	AMERICAN PRESIDENT L	BERTH 93A LOS ANGELE	RCRA-SQG	Lower	974, 0.184, East
F27	FORMER CHEVRON MARIN	1510 SWINFORD STREET	CPS-SLIC, HIST UST	Lower	984, 0.186, NE
G28	TOM ANAST	100 W 1ST ST	SWEEPS UST, CA FID UST	Lower	1024, 0.194, SSE
29	EDISON/SAN PEDRO MGP	SANTA CRUZ, CENTRE A	EDR MGP	Higher	1088, 0.206, SSW
G30	LOS ANGELES HARBOR B	HARBOR BLVD	HIST CORTESE	Lower	1134, 0.215, South
31	PORT OF LOS ANGELES	100 REGAN	CPS-SLIC	Lower	1370, 0.259, NNE
32	PORT OF LOS ANGELES	425 SOUTH PALOS VERD	ENVIROSTOR	Higher	1918, 0.363, South
33	LA UNI SCH DIST, HAR	740 NORTH PACIFIC AV	LUST, EMI	Higher	1958, 0.371, WNW
34	PLAZA AUTOMOTIVE CEN	505 N PACIFIC AVE	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, FINDS, ECHO,...	Higher	2143, 0.406, West
35	BARTON HILL ELEMENTA	423 PACIFIC AVENUE	ENVIROSTOR, SCH	Higher	2388, 0.452, West
36	RICHARDS CLEANERS	538 WEST 5TH STREET	RESPONSE, ENVIROSTOR, Cortese	Higher	3280, 0.621, SW
37	OCEAN PARK CLEANERS	114 N. GAFFEY STREET	ENVIROSTOR	Higher	3481, 0.659, WSW
38	KINDER MORGAN LIQUID	1900 WILMINGTON	ENVIROSTOR, US AIRS	Lower	3774, 0.715, NW
39	UNOCAL SAN PEDRO MAR	MAIN CHANNEL	CHMIRS, Notify 65	Lower	3837, 0.727, NE

MAPPED SITES SUMMARY

Target Property Address:
515 N BEACON ST
SAN PEDRO, CA 90731

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	TERMINAL ISL BAR BAL		ENVIROSTOR	Lower	4471, 0.847, ESE
41	KINDER MORGAN - GAFF	1313/1363 N GAFFEY S	ENVIROSTOR, VCP	Lower	4484, 0.849, NW
42	WESTERN PIPE & STEEL		ENVIROSTOR	Lower	4645, 0.880, North
43	SOUTHWEST MARINE INC	985 SOUTH SEASIDE AV	RCRA-SQG, RESPONSE, ENVIROSTOR, LUST, CPS-SLIC,...	Lower	4669, 0.884, SE
44	CABRILLO ELEMENTARY	732 SOUTH CABRILLO	ENVIROSTOR, SCH	Higher	4954, 0.938, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
JOHN S GIBSON BLVD I 515 NORTH BEACON STR SAN PEDRO, CA 90731	NPDES Facility Status: Terminated CIWQS	N/A
LOUISIANA-PACIFIC CO 515 N BEACON ST SAN PEDRO, CA 90731	SWEEPS UST Comp Number: 3108 CA FID UST Facility Id: 19026799 Status: I	N/A
GRIFFITH COMPANY 515 N BEACON ST SAN PEDRO, CA 90731	HAZNET GEPAID: CAC002707243	N/A
LOUISIANA-PACIFIC CO 515 N BEACON ST SAN PEDRO, CA 90731	HIST UST Facility Id: 00000055861	N/A
LOUISIANA-PACIFIC CO 515 NO BEACON ST SAN PEDRO, CA 90731	HIST UST HAZNET GEPAID: CAC000868592	N/A
LOUISIANA-PACIFIC CO 515 N BEACON ST SAN PEDRO, CA 90731	HIST UST Facility Id: 00000050537	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL---------- Proposed National Priority List Sites
NPL LIENS---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY---------- Federal Facility Site Information listing
SEMS---------- Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG---------- RCRA - Large Quantity Generators
RCRA-CESQG---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS---------- Land Use Control Information System
US ENG CONTROLS---------- Engineering Controls Sites List
US INST CONTROL---------- Sites with Institutional Controls

Federal ERNS list

ERNS---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST---------- Underground Storage Tank Listing
INDIAN UST---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS---------- Considered Brownfieds Sites Listing

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT---------- Waste Management Unit Database
SWRCY---------- Recycler Database
HAULERS---------- Registered Waste Tire Haulers Listing
INDIAN ODI---------- Report on the Status of Open Dumps on Indian Lands
ODI---------- Open Dump Inventory
DEBRIS REGION 9---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL---------- Delisted National Clandestine Laboratory Register
AOCONCERN---------- San Gabriel Valley Areas of Concern
HIST Cal-Sites---------- Historical Calsites Database
SCH---------- School Property Evaluation Program
CDL---------- Clandestine Drug Labs
Toxic Pits---------- Toxic Pits Cleanup Act Sites
US CDL---------- National Clandestine Laboratory Register
CERS HAZ WASTE---------- CERS HAZ WASTE

Local Lists of Registered Storage Tanks

CERS TANKS---------- California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS---------- Environmental Liens Listing
LIENS 2---------- CERCLA Lien Information
DEED---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS---------- Hazardous Materials Information Reporting System
CHMIRS---------- California Hazardous Material Incident Report System
LDS---------- Land Disposal Sites Listing
MCS---------- Military Cleanup Sites Listing
SPILLS 90---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS---------- Formerly Used Defense Sites
DOD---------- Department of Defense Sites
SCRD DRYCLEANERS---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR---------- Financial Assurance Information
EPA WATCH LIST---------- EPA WATCH LIST
2020 COR ACTION---------- 2020 Corrective Action Program List

EXECUTIVE SUMMARY

TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
WDR	Waste Discharge Requirements Listing

PROJECT PROJECT (GEOTRACKER)
UIC GEO UIC GEO (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
CERS CERS

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/17/2018 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLAZA AUTOMOTIVE CEN Site ID: 0905279 EPA Id: CAD982403370	***505 N PACIFIC AVE***	***W 1/4 - 1/2 (0.406 mi.)***	***34***	***55***

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LA PUMPING PLANT #67 EPA ID:: CAD981986938	***530 N HARBOR BLVD***	***NE 0 - 1/8 (0.023 mi.)***	***9***	***20***
ARCO BATTERY MFG CO EPA ID:: CAD009525692	***327 N HARBOR BLVD***	***SSE 0 - 1/8 (0.040 mi.)***	***B10***	***22***
LOS ANGELES CRUISE S EPA ID:: CAD982412454	BERTH 93C	NE 0 - 1/8 (0.099 mi.)	C14	24
CHEVRON USA INC SAN EPA ID:: CAT000624684	***1502 SWINFORD ST***	***NE 1/8 - 1/4 (0.133 mi.)***	***C18***	***30***
LA PUMPING PLANT #81 EPA ID:: CAD981987423	***0 BERTH 77***	***NE 1/8 - 1/4 (0.159 mi.)***	***F23***	***36***
AMERICAN PRESIDENT L EPA ID:: CAD047437165	BERTH 93A LOS ANGELE	E 1/8 - 1/4 (0.184 mi.)	26	45

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 2 RESPONSE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RICHARDS CLEANERS	***538 WEST 5TH STREET***	***SW 1/2 - 1 (0.621 mi.)***	***36***	***62***
Database: RESPONSE, Date of Government Version: 07/30/2018 Status: Active Facility Id: 60000408				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST MARINE INC	***985 SOUTH SEASIDE AV***	***SE 1/2 - 1 (0.884 mi.)***	***43***	***98***
Database: RESPONSE, Date of Government Version: 07/30/2018 Status: Active Facility Id: 60000999				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/30/2018 has revealed that there are 13 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EDISON/SAN PEDRO MGP Facility Id: 19490232 Status: No Further Action	***SANTA CRUZ ST. CENTR***	***S 1/8 - 1/4 (0.151 mi.)***	***D19***	***32***
PORT OF LOS ANGELES Facility Id: 19440005 Status: Refer: RWQCB	425 SOUTH PALOS VERD	S 1/4 - 1/2 (0.363 mi.)	32	49
PLAZA AUTOMOTIVE CEN Facility Id: 19750082 Status: Inactive - Needs Evaluation	***505 N PACIFIC AVE***	***W 1/4 - 1/2 (0.406 mi.)***	***34***	***55***
BARTON HILL ELEMENTA Facility Id: 19820064 Status: Inactive - Needs Evaluation	***423 PACIFIC AVENUE***	***W 1/4 - 1/2 (0.452 mi.)***	***35***	***59***
RICHARDS CLEANERS Facility Id: 60000408 Status: Active	***538 WEST 5TH STREET***	***SW 1/2 - 1 (0.621 mi.)***	***36***	***62***
OCEAN PARK CLEANERS Facility Id: 19720032 Status: Refer: 1248 Local Agency	114 N. GAFFEY STREET	WSW 1/2 - 1 (0.659 mi.)	37	77
CABRILLO ELEMENTARY Facility Id: 19750091 Status: Inactive - Needs Evaluation	***732 SOUTH CABRILLO***	***SW 1/2 - 1 (0.938 mi.)***	***44***	***129***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TODD PACIFIC SHIPYAR Facility Id: 80000024 Status: Inactive - Needs Evaluation	***710 FRONT ST***	***NNW 1/8 - 1/4 (0.178 mi.)***	***E25***	***41***
KINDER MORGAN LIQUID Facility Id: 71002122 Status: Refer: Other Agency	***1900 WILMINGTON***	***NW 1/2 - 1 (0.715 mi.)***	***38***	***78***
TERMINAL ISL BAR BAL Facility Id: 80000484 Status: Inactive - Needs Evaluation		ESE 1/2 - 1 (0.847 mi.)	40	81
KINDER MORGAN - GAFF	***1313/1363 N GAFFEY S***	***NW 1/2 - 1 (0.849 mi.)***	***41***	***82***

Facility Id: 60000353
Status: Certified

WESTERN PIPE & STEEL — N 1/2 - 1 (0.880 mi.) — 42 — 97
Facility Id: 80000672
Status: Inactive - Needs Evaluation

SOUTHWEST MARINE INC — ***985 SOUTH SEASIDE AV*** — ***SE 1/2 - 1 (0.884 mi.)*** — ***43*** — ***98***
Facility Id: 60000999
Status: Active

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA UNI SCH DIST, HAR	***740 NORTH PACIFIC AV***	***WNW 1/4 - 1/2 (0.371 mi.)***	***33***	***51***
Database: LUST, Date of Government Version: 09/10/2018 Status: Completed - Case Closed Global Id: T0603715990				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 3 CPS-SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER UNION OIL HAR	N/A FRONT STREET	NNW 1/8 - 1/4 (0.129 mi.)	E17	30
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Assessment & Interim Remedial Action Global Id: T10000003711				
FORMER CHEVRON MARIN	***1510 SWINFORD STREET***	***NE 1/8 - 1/4 (0.186 mi.)***	***F27***	***46***
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Assessment & Interim Remedial Action Global Id: SL0603707909				
PORT OF LOS ANGELES	100 REGAN	NNE 1/4 - 1/2 (0.259 mi.)	31	49
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Inactive Facility Status: Inactive Global Id: SLT4L8011872				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
L.A. CRUISE SHIP TER Database: UST, Date of Government Version: 09/10/2018	BERTH 93	NE 0 - 1/8 (0.094 mi.)	C13	24

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KINDER MORGAN LIQUID Database: AST, Date of Government Version: 07/06/2016	BERTH 119	NE 1/8 - 1/4 (0.155 mi.)	F20	34
SHELL OIL PRODUCTS / Database: AST, Date of Government Version: 07/06/2016	BERTH 168	NE 1/8 - 1/4 (0.158 mi.)	F21	35
PASHA STEVEDORING & Database: AST, Date of Government Version: 07/06/2016	BERTH 178	NE 1/8 - 1/4 (0.158 mi.)	F22	36

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 07/30/2018 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EDISON/SAN PEDRO MGP Status: No Further Action Facility Id: 19490232	***SANTA CRUZ ST. CENTR***	***S 1/8 - 1/4 (0.151 mi.)***	***D19***	***32***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES MARINE H	***345 N BEACON ST***	***S 0 - 1/8 (0.021 mi.)***	***B8***	***19***
Status: A Tank Status: A Comp Number: 2541				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TOM ANAST	***100 W 1ST ST***	***SSE 1/8 - 1/4 (0.194 mi.)***	***G28***	***48***
Comp Number: 4763				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES MARINE H	***345 N BEACON ST***	***S 0 - 1/8 (0.021 mi.)***	***B8***	***19***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TODD PACIFIC SHIPYAR Facility Id: 00000000369	***710 N. FRONT STREET***	***NNW 1/8 - 1/4 (0.178 mi.)***	***E24***	***38***
FORMER CHEVRON MARIN Facility Id: 00000020929	***1510 SWINFORD STREET***	***NE 1/8 - 1/4 (0.186 mi.)***	***F27***	***46***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES MARINE H Facility Id: 19012021 Status: A	***345 N BEACON ST***	***S 0 - 1/8 (0.021 mi.)***	***B8***	***19***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TODD PACIFIC SHIPYAR Facility Id: 19002139 Status: A	***710 N. FRONT STREET***	***NNW 1/8 - 1/4 (0.178 mi.)***	***E24***	***38***
TOM ANAST	***100 W 1ST ST***	***SSE 1/8 - 1/4 (0.194 mi.)***	***G28***	***48***

Facility Id: 19007866
Status: I

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SANDOVAL TRUCKING EPA ID:: CAR000187948	24724 SOUTH WILMINGT	S 0 - 1/8 (0.100 mi.)	D15	26

Lower Elevation	Address	Direction / Distance	Map ID	Page
TODD PACIFIC SHIPYAR EPA ID:: CAD008350332	***710 N. FRONT STREET***	***NNW 1/8 - 1/4 (0.178 mi.)***	***E24***	***38***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TODD PACIFIC SHIPYAR Reg Id: 907310289	***710 FRONT ST***	***NNW 1/8 - 1/4 (0.178 mi.)***	***E25***	***41***
LOS ANGELES HARBOR B Reg Id: 19490187	HARBOR BLVD	S 1/8 - 1/4 (0.215 mi.)	G30	49

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 06/18/2018 has revealed that there are 2 Notify 65 sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TODD PACIFIC SHIPYAR	***710 N. FRONT STREET***	***NNW 1/8 - 1/4 (0.178 mi.)***	***E24***	***38***
UNOCAL SAN PEDRO MAR	***MAIN CHANNEL***	***NE 1/2 - 1 (0.727 mi.)***	***39***	***80***

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EDISON/SAN PEDRO MGP	SANTA CRUZ, CENTRE A	SSW 1/8 - 1/4 (0.206 mi.)	29	48

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEWIN ED THRIFTY SER	525 N HARBOR BLVD	NE 0 - 1/8 (0.016 mi.)	A7	19
VAN DAVES SERVICE	650 N HARBOR BLVD	N 0 - 1/8 (0.067 mi.)	12	24
SIGNAL OIL STATION	259 N HARBOR BLVD	SSE 0 - 1/8 (0.112 mi.)	D16	29

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HIS & ERS CLEANERS	221 W OLIVER ST	WSW 0 - 1/8 (0.059 mi.)	11	24

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 12 records.

Site Name	Database(s)
LONG BEACH NAVAL SHIPYARD	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION, PADS
TED HAMMETT	SEMS-ARCHIVE
H-10 WATER TAXI	SEMS-ARCHIVE
LOS ANGELES HARBOR BERTH 115	SEMS-ARCHIVE, ENVIROSTOR
FORT MACARTHUR	SEMS-ARCHIVE
SHELL OIL CO WILMINGTON REF	SEMS-ARCHIVE
UNOCAL #0692 MARINE FACILITY	LUST
LINE 79 RELEASE	CPS-SLIC
ACTA SOUTH - PCH GRADE SEPARATION	CPS-SLIC
ACTA PARCEL PCH-1542	CPS-SLIC
ACTA SOUTH - MAINTENANCE YARD	CPS-SLIC
UNION OIL CO OF CA LA MARINE TERMI	ENVIROSTOR

OVERVIEW MAP - 5450134.2S



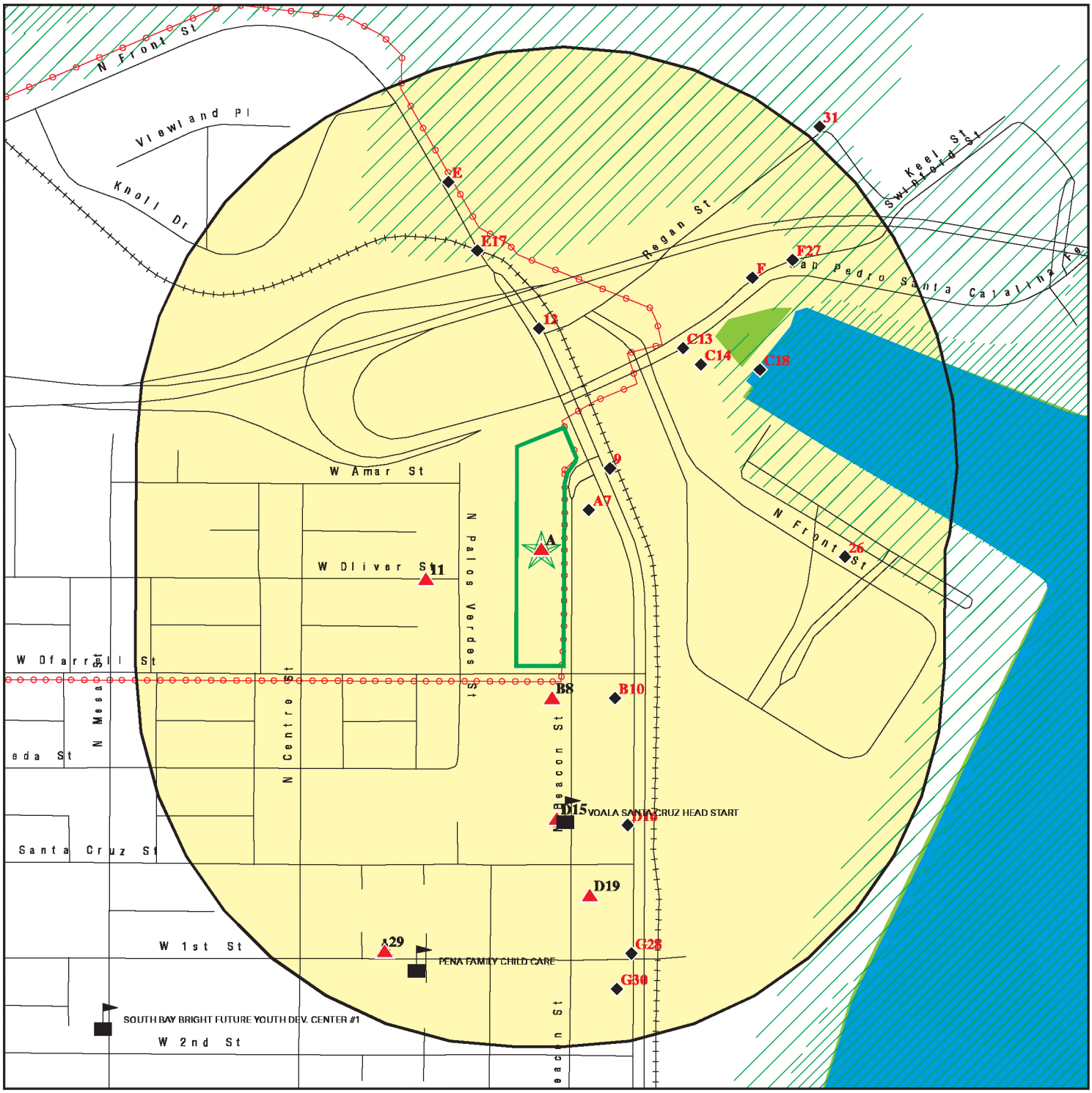
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: LABOE Beacon St San Pedro	CLIENT: AECOM
ADDRESS: 515 N Beacon St San Pedro CA 90731	CONTACT: Jessica Himebauch INQUIRY #: 5450134.2s
LAT/LONG: 33.747188 / 118.280754	DATE: October 10, 2018 5:15 pm

Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 5450134.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: LABOE Beacon St San Pedro	CLIENT: AECOM
ADDRESS: 515 N Beacon St San Pedro CA 90731	CONTACT: Jessica Himebauch INQUIRY #: 5450134.2s
LAT/LONG: 33.747188 / 118.280754	DATE: October 10, 2018 5:18 pm

Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		3	3	NR	NR	NR	6
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	2	NR	2
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	2	3	8	NR	13
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	2	1	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	3	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	1	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	1	1	NR	NR	NR	3
HIST UST	0.250	3	1	2	NR	NR	NR	6
CA FID UST	0.250	1	1	2	NR	NR	NR	4
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	1	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	2	NR	NR	NR	NR	NR	2
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	2	0	NR	NR	2
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	1	0	1	NR	2
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
CIWQS	TP	1	NR	NR	NR	NR	NR	1
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	1	0	0	NR	1
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		9	12	21	6	11	0	59

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property

JOHN S GIBSON BLVD I 110 FREEWAY ACCESS
515 NORTH BEACON STREET
SAN PEDRO, CA 90731

NPDES S115950707
CIWQS N/A

Site 1 of 7 in cluster A

Actual:
22 ft.

NPDES:

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C368787
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	01/18/2017
Operator Name:	Port of Los Angeles
Operator Address:	425 S Palos Verdes
Operator City:	San Pedro
Operator State:	California
Operator Zip:	90731

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	430691
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C368787
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/24/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/27/2014
Processed Date:	01/28/2014
Status:	Terminated
Status Date:	01/18/2017
Place Size:	14.86
Place Size Unit:	Acres

JOHN S GIBSON BLVD I 110 FREEWAY ACCESS (Continued) **S115950707**

Contact:	Prashant Konareddy
Contact Title:	Project Construction Manager
Contact Phone:	310-732-3362
Contact Phone Ext:	Not reported
Contact Email:	konareddyp@portla.org
Operator Name:	Port of Los Angeles
Operator Address:	425 S Palos Verdes
Operator City:	San Pedro
Operator State:	California
Operator Zip:	90731
Operator Contact:	Prashant Konareddy
Operator Contact Title:	Project Construction Manager
Operator Contact Phone:	310-732-7690
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	konareddyp@portla.org
Operator Type:	City/Town Agency
Developer:	C A Rasmussen Inc
Developer Address:	285548 Livingston Avenue
Developer City:	Valencia
Developer State:	California
Developer Zip:	91355
Developer Contact:	Eric Landegger
Developer Contact Title:	Water Pollution Control Manager
Constype Linear Utility Ind:	N
Emergency Phone:	626-712-3969
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	Y
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Mark Rose
Certifier Title:	ACHE
Certification Date:	27-JAN-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	430691
Order Number:	2009-0009-DWQ

JOHN S GIBSON BLVD I 110 FREEWAY ACCESS (Continued) **S115950707**

Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C368787
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/28/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/24/2016
Discharge Name:	Port of Los Angeles
Discharge Address:	425 S Palos Verdes
Discharge City:	San Pedro
Discharge State:	California
Discharge Zip:	90731
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

JOHN S GIBSON BLVD I 110 FREEWAY ACCESS (Continued) **S115950707**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	430691
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C368787
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/28/2014
Termination Date Of Regulatory Measure:	08/24/2016
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	425 S Palos Verdes
Discharge Name:	Port of Los Angeles
Discharge City:	San Pedro
Discharge State:	California
Discharge Zip:	90731
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	430691
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C368787
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/24/2016
Discharge Name:	Not reported
Discharge Address:	Not reported

JOHN S GIBSON BLVD I 110 FREEWAY ACCESS (Continued) **S115950707**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/27/2014
Processed Date:	01/28/2014
Status:	Terminated
Status Date:	01/18/2017
Place Size:	14.86
Place Size Unit:	Acres
Contact:	Prashant Konareddy
Contact Title:	Project Construction Manager
Contact Phone:	310-732-3362
Contact Phone Ext:	Not reported
Contact Email:	konareddyp@portla.org
Operator Name:	Port of Los Angeles
Operator Address:	425 S Palos Verdes
Operator City:	San Pedro
Operator State:	California
Operator Zip:	90731
Operator Contact:	Prashant Konareddy
Operator Contact Title:	Project Construction Manager
Operator Contact Phone:	310-732-7690
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	konareddyp@portla.org
Operator Type:	City/Town Agency
Developer:	C A Rasmussen Inc
Developer Address:	285548 Livingston Avenue
Developer City:	Valencia
Developer State:	California
Developer Zip:	91355
Developer Contact:	Eric Landegger
Developer Contact Title:	Water Pollution Control Manager
Constype Linear Utility Ind:	N
Emergency Phone:	626-712-3969
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	Y
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Mark Rose
Certifier Title:	ACHE
Certification Date:	27-JAN-14
Primary Sic:	Not reported

JOHN S GIBSON BLVD I 110 FREEWAY ACCESS (Continued) **S115950707**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	430691
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C368787
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/28/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/24/2016
Discharge Name:	Port of Los Angeles
Discharge Address:	425 S Palos Verdes
Discharge City:	San Pedro
Discharge State:	California
Discharge Zip:	90731
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

JOHN S GIBSON BLVD I 110 FREEWAY ACCESS (Continued) **S115950707**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Port of Los Angeles
Agency Address:	425 S Palos Verdes, San Pedro, CA 90731
Place/Project Type:	Construction - Transportation
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C368787
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/28/2014
Termination Date:	08/24/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	0
Latitude:	33.749143
Longitude:	-118.28883

A2 **LOUISIANA-PACIFIC CORP YARD** **SWEEPS UST** **S101585638**
Target **515 N BEACON ST** **CA FID UST** **N/A**
Property **SAN PEDRO, CA 90731**

Site 2 of 7 in cluster A

Actual: **22 ft.**

SWEEPS UST:

Status:	Not reported
Comp Number:	3108
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003108-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	19026799
Regulated By:	UTNKI
Regulated ID:	00055861
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2138310791
Mail To:	Not reported
Mailing Address:	111 W 5TH AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SAN PEDRO 907310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

A3 **GRIFFITH COMPANY** **HAZNET** **S113789802**
Target **515 N BEACON ST** **N/A**
Property **SAN PEDRO, CA 90731**

Site 3 of 7 in cluster A

Actual: **22 ft.**

HAZNET:

envid:	S113789802
Year:	2012
GEPAID:	CAC002707243
Contact:	CHRIS BALLANTYNE
Telephone:	7149845500
Mailing Name:	Not reported
Mailing Address:	3050 E BIRCH ST
Mailing City,St,Zip:	BREA, CA 92821
Gen County:	Los Angeles

GRIFFITH COMPANY (Continued) **S113789802**

TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.04
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

A4 **LOUISIANA-PACIFIC CORP. YARD 0** **HIST UST** **U001565551**
Target **515 N BEACON ST** **N/A**
Property **SAN PEDRO, CA 90731**

Site 4 of 7 in cluster A

Actual: **22 ft.**

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000055861
Facility Type: Other
Other Type: Not reported
Contact Name: Not reported
Telephone: 2138310791
Owner Name: LOUISIANA-PACIFIC CORPORATION
Owner Address: 111 S.W. FIFTH AVENUE
Owner City,St,Zip: PORTLAND, OR 97204
Total Tanks: 0001

Tank Num: 001
Container Num: 01
Year Installed: 1959
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

A5 **LOUISIANA-PACIFIC CORP** **HIST UST** **S112848613**
Target **515 NO BEACON ST** **HAZNET** **N/A**
Property **SAN PEDRO, CA 90731**

Site 5 of 7 in cluster A

Actual: **22 ft.**

HIST UST:
File Number: 00027918
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027918.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported

LOUISIANA-PACIFIC CORP (Continued) **S112848613**

Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

envid:	S112848613
Year:	1993
GEPAID:	CAC000868592
Contact:	CAL TRANS
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	120 S SPRING ST
Mailing City,St,Zip:	LOS ANGELES, CA 900120000
Gen County:	Not reported
TSD EPA ID:	CAD067786749
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	0
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A6 **LOUISIANA-PACIFIC CORP.** **HIST UST** **U001565550**
Target **515 N BEACON ST** **N/A**
Property **SAN PEDRO, CA 90731**

Site 6 of 7 in cluster A

Actual: **22 ft.**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000050537
Facility Type:	Other
Other Type:	Not reported
Contact Name:	JOE GOAR
Telephone:	2138310791

LOUISIANA-PACIFIC CORP. (Continued) **U001565550**

Owner Name:	LOUISANA-PACIFIC CORP.
Owner Address:	111 S.W. FIFTH AVE.
Owner City,St,Zip:	PORTLAND, OR 97204
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1959
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

A7 **LEWIN ED THRIFTY SERVICE STATION** **EDR Hist Auto** **1008996865**
NE **525 N HARBOR BLVD** **N/A**
< 1/8 **SAN PEDRO, CA 90731**
0.016 mi.
85 ft. **Site 7 of 7 in cluster A**

Relative: EDR Hist Auto
Lower

Actual: **19 ft.**

Year:	Name:	Type:
1957	LEWIN ED THRIFTY SERVICE STATIO	Not reported

B8 **LOS ANGELES MARINE HARDWARE** **SWEEPS UST** **S101584493**
South **345 N BEACON ST** **HIST UST** **N/A**
< 1/8 **SAN PEDRO, CA 90731** **CA FID UST**
0.021 mi.
110 ft. **Site 1 of 2 in cluster B**

Relative: SWEEPS UST:
Higher

Actual: **32 ft.**

Status:	Active
Comp Number:	2541
Number:	1
Board Of Equalization:	44-012401
Referral Date:	03-04-93
Action Date:	03-04-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002541-000001
Tank Status:	A
Capacity:	5000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

File Number:	00027A23
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027A23.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported

LOS ANGELES MARINE HARDWARE (Continued) **S101584493**

Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19012021
Regulated By:	UTNKA
Regulated ID:	00047283
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2138319261
Mail To:	Not reported
Mailing Address:	345 N BEACON ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SAN PEDRO 907310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

---

9 **LA PUMPING PLANT #67** **RCRA-SQG 1000350156**
NE **530 N HARBOR BLVD** **FINDS CAD981986938**
< 1/8 **SAN PEDRO, CA 90731** **ECHO**
0.023 mi.
121 ft.

Relative: **Lower**

Actual: **18 ft.**

RCRA-SQG:

Date form received by agency:	03/25/1987
Facility name:	LA PUMPING PLANT #67
Facility address:	530 N HARBOR BLVD SAN PEDRO, CA 90731
EPA ID:	CAD981986938
Mailing address:	200 N MAIN RM EIGHTH HUNDREDCH LOS ANGELES, CA 90012
Contact:	ENVIRONMENTAL MANAGER
Contact address:	530 N HARBOR BLVD SAN PEDRO, CA 90731
Contact country:	US
Contact telephone:	213-485-7527
Contact email:	Not reported

LA PUMPING PLANT #67 (Continued) **1000350156**

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002766203

LA PUMPING PLANT #67 (Continued) **1000350156**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000350156
Registry ID: 110002766203
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002766203

B10 **ARCO BATTERY MFG CO** **RCRA-SQG 1000324159**
SSE **327 N HARBOR BLVD** **FINDS CAD009525692**
< 1/8 **SAN PEDRO, CA 90731** **ECHO**
0.040 mi.
210 ft. **Site 2 of 2 in cluster B**

Relative: **Lower**
Actual: **21 ft.**

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: ARCO BATTERY MFG CO
Facility address: 327 N HARBOR BLVD
SAN PEDRO, CA 90731
EPA ID: CAD009525692
Mailing address: N HARBOR BLVD
SAN PEDRO, CA 90731
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: RUHL RON ARCO BATTERY MFG CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

ARCO BATTERY MFG CO (Continued) **1000324159**

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002636782

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000324159
Registry ID: 110002636782
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002636782

11
WSW
< 1/8
0.059 mi.
314 ft.

HIS & ERS CLEANERS — **EDR Hist Cleaner** — **1009141256**
221 W OLIVER ST — **N/A**
COMPTON, CA

Relative:
Higher

Actual:
69 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1951	HIS & ERS CLEANERS	CLOTHES CLEANERS AND PRESSERS

12
North
< 1/8
0.067 mi.
354 ft.

VAN DAVES SERVICE STA — **EDR Hist Auto** — **1009078749**
650 N HARBOR BLVD — **N/A**
LOS ANGELES, CA

Relative:
Lower

Actual:
16 ft.

EDR Hist Auto

Year:	Name:	Type:
1924	VAN DAVES SERVICE STA	AUTOMOBILE SERVICE STATIONS

C13
NE
< 1/8
0.094 mi.
497 ft.

L.A. CRUISE SHIP TERMINALS — **UST** — **U004265050**
BERTH 93 — **N/A**
LOS ANGELES, CA 90731

Site 1 of 3 in cluster C

Relative:
Lower

Actual:
13 ft.

UST:

Facility ID:	Not reported
Permitting Agency:	Los Angeles City Fire Department
Latitude:	33.7491
Longitude:	-118.27914

C14
NE
< 1/8
0.099 mi.
524 ft.

LOS ANGELES CRUISE SHIP TERMINAL — **RCRA-SQG** — **1000102156**
BERTH 93C — **CAD982412454**
SAN PEDRO, CA 90731

Site 2 of 3 in cluster C

Relative:
Lower

Actual:
12 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	LOS ANGELES CRUISE SHIP TERMINAL
Facility address:	BERTH 93C SAN PEDRO, CA 90731
EPA ID:	CAD982412454
Mailing address:	140 WEST SIXTH ST SAN PEDRO, CA 90731
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous

LOS ANGELES CRUISE SHIP TERMINAL (Continued) **1000102156**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LOS ANGELES
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/28/1988
Site name:	LOS ANGELES CRUISE SHIP TERMINAL
Classification:	Large Quantity Generator

Violation Status: No violations found

D15 **SANDOVAL TRUCKING** **RCRA NonGen / NLR** **1010562181**
South **24724 SOUTH WILMINGTON AVE** **CAR000187948**
< 1/8 **CARSON, CA 90745**
0.100 mi.
529 ft. **Site 1 of 3 in cluster D**

Relative: **Higher**
Actual: **26 ft.**

RCRA NonGen / NLR:

Date form received by agency:	06/22/2017
Facility name:	SANDOVAL TRUCKING
Facility address:	24724 SOUTH WILMINGTON AVE CARSON, CA 90745
EPA ID:	CAR000187948
Mailing address:	WEST MAURENTANIA ST WILMINGTON, CA 90744
Contact:	LUDVIN SANDOVAL
Contact address:	WEST MAURENTANIA ST WILMINGTON, CA 90744
Contact country:	US
Contact telephone:	310-350-5709
Contact email:	LUDVIN.L@HOTMAIL.COM
EPA Region:	09
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DFC TRANSPORT
Owner/operator address:	SOUTH WILMINGTON AVE CARSON, CA 90745
Owner/operator country:	US
Owner/operator telephone:	562-435-9100
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2004
Owner/Op end date:	Not reported

Owner/operator name:	DFC TRANSPORT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2004
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No

SANDOVAL TRUCKING (Continued) **1010562181**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D012
. Waste name: ENDRIN

. Waste code: D013
. Waste name: LINDANE

. Waste code: D014
. Waste name: METHOXYCHLOR

. Waste code: D015

SANDOVAL TRUCKING (Continued) **1010562181**

. Waste name: TOXAPHENE

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D017
. Waste name: 2,4,5-TP (SILVEX)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D020
. Waste name: CHLORDANE

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D023
. Waste name: O-CRESOL

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D025
. Waste name: P-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D031
. Waste name: HEPTACHLOR (AND ITS EPOXIDE).

. Waste code: D032
. Waste name: HEXACHLOROBENZENE

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D034
. Waste name: HEXACHLOROETHANE

. Waste code: D035

SANDOVAL TRUCKING (Continued) **1010562181**

. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

. Waste code: D041
. Waste name: 2,4,5-TRICHLOROPHENOL

. Waste code: D042
. Waste name: 2,4,6-TRICHLOROPHENOL

. Waste code: D043
. Waste name: VINYL CHLORIDE

Historical Generators:
Date form received by agency: 10/15/2007
Site name: SANDOVAL TRUCKING
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 06/23/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

D16 **SIGNAL OIL STATION** **EDR Hist Auto** **1008994970**
SSE **259 N HARBOR BLVD** **N/A**
< 1/8 **SAN PEDRO, CA 90731**
0.112 mi.
594 ft. **Site 2 of 3 in cluster D**

Relative: EDR Hist Auto
Lower

Actual:
20 ft.

Year:	Name:	Type:
1959	SIGNAL OIL STATION	Not reported
1976	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC
1977	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC
1978	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC
1979	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC
1980	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC
1982	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC
1983	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC
1985	SAN PEDRO MUFFLER	Automotive Repair Shops, NEC

E17 **FORMER UNION OIL HARBOR PIPELINES** **CPS-SLIC** **S118504653**
NNW **N/A FRONT STREET** **N/A**
1/8-1/4 **SAN PEDRO, CA 90731**
0.129 mi.
681 ft. **Site 1 of 3 in cluster E**

Relative: **Lower**
Actual: **13 ft.**

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	05/15/2012
Global Id:	T10000003711
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.7500295
Longitude:	-118.2814852
Case Type:	Cleanup Program Site
Case Worker:	CL
Local Agency:	Not reported
RB Case Number:	1277
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Lead, Crude Oil, Diesel, Gasoline, Naphthalene, Total Petroleum Hydrocarbons (TPH)
Site History:	A 12-inch diameter inactive Unocal Pipeline was located on the Port of Los Angeles property. The pipeline transported petroleum products from Berth 46 Supertanker Terminal to the Conoco Phillips refinery. The pipeline passed through long within two of the Ports redevelopment projects; 1)Front Street Widening and Beautification Project, and 2) Phase III China Shipping Expansion Project.The Unocal pipeline was removed by Phillips 66 Company (Phillips 66) though some segments were abandoned-in-place due to underground utility conflicts and/or safety concerns. results from multiple assessment identified petroleum hydrocarbon in soil and groundwater beneath the pipeline corridor. A remedial action is being reviewed by the Regional Board staff.

Click here to access the California GeoTracker records for this facility:

C18 **CHEVRON USA INC SAN PEDRO TERM** **RCRA-SQG** **1000434388**
NE **1502 SWINFORD ST** **FINDS** **CAT000624684**
1/8-1/4 **SAN PEDRO, CA 90733** **ECHO**
0.133 mi.
704 ft. **Site 3 of 3 in cluster C**

Relative: **Lower**
Actual: **9 ft.**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	CHEVRON USA INC SAN PEDRO TERM
Facility address:	1502 SWINFORD ST SAN PEDRO, CA 90733
EPA ID:	CAT000624684
Mailing address:	BOX NINETH HUNDRED TENTH SAN PEDRO, CA 90733
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator

CHEVRON USA INC SAN PEDRO TERM (Continued) **1000434388**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON U.S.A. INC.
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	08/18/1980
Site name:	CHEVRON USA INC SAN PEDRO TERM
Classification:	Large Quantity Generator
Violation Status:	No violations found

CHEVRON USA INC SAN PEDRO TERM (Continued) **1000434388**

FINDS:

Registry ID: 110002944556

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000434388
Registry ID:	110002944556
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002944556

D19 **EDISON/SAN PEDRO MGP** **ENVIROSTOR** **S101480996**
South **SANTA CRUZ ST. CENTREST AND PALOS VERDES** **VCP** **N/A**
1/8-1/4 **SAN PEDRO, CA 90731**
0.151 mi.
799 ft. **Site 3 of 3 in cluster D**

Relative: Higher
Actual: 22 ft.

ENVIROSTOR:

Facility ID:	19490232
Status:	No Further Action
Status Date:	11/23/1994
Site Code:	400450
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	70
Senate:	35
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.74389
Longitude:	-118.2802
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	* CONTAMINATED SOIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	BK 7449, PG 18, PARCEL 900
Alias Type:	Alternate Name
Alias Name:	TOWN GAS PLANT SAN PEDRO

EDISON/SAN PEDRO MGP (Continued) **S101480996**

Alias Type:	Alternate Name
Alias Name:	110033614480
Alias Type:	EPA (FRS #)
Alias Name:	400450
Alias Type:	Project Code (Site Code)
Alias Name:	19490232
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Order
Completed Date:	05/10/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	11/23/1994
Comments:	DTSC reviewed the revised PEA Report for the San Pedro Town Gas Plant site. DTSC concurs with the recommendation that "No Further Action" is required and that a Deed Notice be placed on the property.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Facility ID:	19490232
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	Not reported
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Site Code:	400450
Assembly:	70
Senate:	35
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	11/23/1994
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.74389 / -118.2802
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT

EDISON/SAN PEDRO MGP (Continued) **S101480996**

Potential COC:	10097
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	BK 7449, PG 18, PARCEL 900
Alias Type:	Alternate Name
Alias Name:	TOWN GAS PLANT SAN PEDRO
Alias Type:	Alternate Name
Alias Name:	110033614480
Alias Type:	EPA (FRS #)
Alias Name:	400450
Alias Type:	Project Code (Site Code)
Alias Name:	19490232
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Order
Completed Date:	05/10/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	11/23/1994
Comments:	DTSC reviewed the revised PEA Report for the San Pedro Town Gas Plant site. DTSC concurs with the recommendation that "No Further Action" is required and that a Deed Notice be placed on the property.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

F20 **KINDER MORGAN LIQUIDS TERMINALS LLC** **AST** **A100421466**
NE **BERTH 119** **N/A**
1/8-1/4 **LOS ANGELES, CA 90810**
0.155 mi.
819 ft. **Site 1 of 5 in cluster F**

Relative: **Lower**
Actual: **12 ft.**

AST:

Certified Unified Program Agencies:	Not reported
Owner:	KINDER MORGAN LIQUIDS TERMINAL
Total Gallons:	Not reported
CERSID:	10249318
Facility ID:	Not reported
Business Name:	KINDER MORGAN LIQUIDS TERMINALS LLC
Phone:	(310) 831-6566
Fax:	Not reported
Mailing Address:	1100 TOWN & COUNTRY RD
Mailing Address City:	ORANGE
Mailing Address State:	CA
Mailing Address Zip Code:	92868

KINDER MORGAN LIQUIDS TERMINALS LLC (Continued) **A100421466**

Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	GATX TERMINALS CORPORATION
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	Not reported

F21 **SHELL OIL PRODUCTS / EQUILON ENT** **AST** **A100424443**
NE **BERTH 168** **N/A**
1/8-1/4 **LOS ANGELES, CA 90744**
0.158 mi.
832 ft. **Site 2 of 5 in cluster F**

Relative: **Lower**
Actual: **12 ft.**

AST:

Certified Unified Program Agencies:	Not reported
Owner:	EQUILON ENTERPRISES LLC
Total Gallons:	Not reported
CERSID:	10256620
Facility ID:	Not reported
Business Name:	SHELL OIL PRODUCTS / EQUILON ENT
Phone:	(310) 816-2089
Fax:	Not reported
Mailing Address:	20945 S WILMINGTON AVE
Mailing Address City:	CARSON
Mailing Address State:	CA
Mailing Address Zip Code:	90810
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	20945 S WILMINGTON AVE
Owner State:	CA
Owner Zip Code:	90810
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

F22 **PASHA STEVEDORING & TERMINALS LP** **AST** **A100423184**
NE **BERTH 178** **N/A**
1/8-1/4 **LOS ANGELES, CA 90744**
0.158 mi.
835 ft. **Site 3 of 5 in cluster F**

Relative: AST:
Lower

Certified Unified Program Agencies:	Not reported
Owner:	PASHA STEVEDORING & TERMINALS
Total Gallons:	Not reported
CERSID:	10248547
Facility ID:	Not reported
Business Name:	PASHA STEVEDORING & TERMINALS LP
Phone:	(310) 835-5042
Fax:	Not reported
Mailing Address:	802 S FRIES AVE
Mailing Address City:	WILMINGTON
Mailing Address State:	CA
Mailing Address Zip Code:	90744
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	802 S FRIES AVE
Owner State:	CA
Owner Zip Code:	90744
Owner Country:	United States
Property Owner Name:	PORT OF LOS ANGELES
Property Owner Phone:	Not reported
Property Owner Mailing Address:	425 S PALOS VERDES ST
Property Owner City:	SAN PEDRO
Property Owner Stat :	CA
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	Not reported

Actual:
13 ft.

F23 **LA PUMPING PLANT #81** **RCRA-SQG** **1000350179**
NE **0 BERTH 77** **FINDS** **CAD981987423**
1/8-1/4 **SAN PEDRO, CA 90731** **ECHO**
0.159 mi.
839 ft. **Site 4 of 5 in cluster F**

Relative: RCRA-SQG:
Lower

Date form received by agency:	03/24/1987
Facility name:	LA PUMPING PLANT #81
Facility address:	0 BERTH 77 SAN PEDRO, CA 90731
EPA ID:	CAD981987423
Mailing address:	200 N MAIN RM EIGHTH HUNDREDCH LOS ANGELES, CA 90012
Contact:	ENVIRONMENTAL MANAGER
Contact address:	0 BERTH SEVENTY SEVENTH SAN PEDRO, CA 90731
Contact country:	US
Contact telephone:	213-485-7527
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

Actual:
12 ft.

LA PUMPING PLANT #81 (Continued) **1000350179**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	CITY OF LOS ANGELES
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110012263772

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

LA PUMPING PLANT #81 (Continued) **1000350179**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000350179
Registry ID: 110012263772
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012263772

E24 **TODD PACIFIC SHIPYARDS CORPORATION** **HIST UST** **1000183794**
NNW **710 N. FRONT STREET** **CA FID UST** **CAD008350332**
1/8-1/4 **SAN PEDRO, CA 90731** **RCRA NonGen / NLR**
0.178 mi. **Notify 65**
939 ft. **Site 2 of 3 in cluster E**

Relative: Lower
Actual: 13 ft.

HIST UST:
File Number: 00028D4C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028D4C.pdf
Region: STATE
Facility ID: 00000000369
Facility Type: Other
Other Type: SHIPBUILDING & REPAI
Contact Name: LEN THORELL,
Telephone: 2138323361
Owner Name: TODD PACIFIC SHIPYARDS CORPORA
Owner Address: 710 N. FRONT STREET
Owner City,St,Zip: SAN PEDRO, CA 90731
Total Tanks: 0006

Tank Num: 001
Container Num: 5
Year Installed: 1978
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

TODD PACIFIC SHIPYARDS CORPORATION (Continued) **1000183794**

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 2
Year Installed: 1979
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: 6
Year Installed: 1984
Tank Capacity: 00004000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19002139
Regulated By: UTNKA
Regulated ID: 00000369
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138323361
Mail To: Not reported
Mailing Address: 710 N FRONT ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN PEDRO 907310000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

RCRA NonGen / NLR:
Date form received by agency: 03/14/1990
Facility name: TODD PACIFIC SHIPYARDS CORPORATION
Site name: TODD PACIFIC SHIPYARDS CORP
Facility address: 710 N. FRONT STREET

TODD PACIFIC SHIPYARDS CORPORATION (Continued) **1000183794**

SAN PEDRO, CA 90731
EPA ID: CAD008350332
Mailing address: 313 N. FIGUEROA STREET
WILMINGTON, CA 90744
Contact: BILLIE REYNOLDS
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 212-522-0843
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

TODD PACIFIC SHIPYARDS CORPORATION (Continued) **1000183794**

Used oil transporter: No

Historical Generators:
Date form received by agency: 08/18/1980
Site name: TODD PACIFIC SHIPYARDS CORPORATION
Classification: Not a generator, verified

Violation Status: No violations found

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

E25 **TODD PACIFIC SHIPYARDS CORP** **ENVIROSTOR** **S103972978**
NNW **710 FRONT ST** **EMI** **N/A**
1/8-1/4 **SAN PEDRO, CA 90733** **HIST CORTESE**
0.178 mi. **NPDES**
939 ft. **Site 3 of 3 in cluster E** **CIWQS**

Relative: **Lower**
Actual: **13 ft.**

ENVIROSTOR:
Facility ID: 80000024
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Carrie Tatoian-Cain
Supervisor: Carrie Tatoian-Cain
Division Branch: Cleanup Berkeley
Assembly: 70
Senate: 09
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 37.78120
Longitude: -122.2913
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F525100
Alias Type: Federal Facility ID
Alias Name: J09CA0038
Alias Type: INPR
Alias Name: 201716
Alias Type: Envirostor ID Number
Alias Name: 80000024

TODD PACIFIC SHIPYARDS CORP (Continued) **S103972978**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 21857
Air District Name: SC
SIC Code: 3731
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 66
Reactive Organic Gases Tons/Yr: 66
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 9
Part. Matter 10 Micrometers and Smllr Tons/Yr: 5

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907310289

NPDES:
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C365679
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported

TODD PACIFIC SHIPYARDS CORP (Continued) **S103972978**

Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/25/2014
Operator Name:	Port of Los Angeles
Operator Address:	425 S Palos Verdes
Operator City:	San Pedro
Operator State:	California
Operator Zip:	90731

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	433900
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C365679
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	07/01/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	02/13/2013
Processed Date:	02/19/2013
Status:	Terminated
Status Date:	08/25/2014
Place Size:	27
Place Size Unit:	Acres
Contact:	Marlys White
Contact Title:	Project Construction Manager
Contact Phone:	310-732-7690
Contact Phone Ext:	Not reported
Contact Email:	mwhite@portla.org
Operator Name:	Port of Los Angeles
Operator Address:	425 S Palos Verdes
Operator City:	San Pedro
Operator State:	California
Operator Zip:	90731
Operator Contact:	Marlys White
Operator Contact Title:	Project Construction Manager
Operator Contact Phone:	310-732-7690
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mwhite@portla.org
Operator Type:	City/Town Agency
Developer:	Sully Miller Contracting Co

TODD PACIFIC SHIPYARDS CORP (Continued) **S103972978**

Developer Address:	135 S State College Blvd #400
Developer City:	Brea
Developer State:	California
Developer Zip:	92821
Developer Contact:	Ezam Khazeni
Developer Contact Title:	Project Manager
Constype Linear Utility Ind:	N
Emergency Phone:	562-209-5683
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	Y
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Mark Rose
Certifier Title:	Approved Signatory
Certification Date:	13-FEB-13
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Port of Los Angeles
Agency Address:	425 S Palos Verdes, San Pedro, CA 90731
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C365679
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/19/2013
Termination Date:	07/01/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

TODD PACIFIC SHIPYARDS CORP (Continued) **S103972978**

Latitude: 33.753746
Longitude: -118.285031

26
East
1/8-1/4
0.184 mi.
974 ft.

AMERICAN PRESIDENT LINES LTD **RCRA-SQG** **1000360665**
BERTH 93A LOS ANGELES HBR **CAD047437165**
SAN PEDRO, CA 90733

Relative:
Lower

Actual:
12 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	AMERICAN PRESIDENT LINES LTD
Facility address:	BERTH 93A LOS ANGELES HBR SAN PEDRO, CA 90733
EPA ID:	CAD047437165
Mailing address:	1950 FRANKLIN ST OAKLAND, CA 94612
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	PORT OF LOS ANGELES
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

AMERICAN PRESIDENT LINES LTD (Continued) **1000360665**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/03/1983
Site name: AMERICAN PRESIDENT LINES LTD
Classification: Large Quantity Generator

Violation Status: No violations found

F27 **FORMER CHEVRON MARINE TERMINAL** **CPS-SLIC U001565567**
NE **1510 SWINFORD STREET** **HIST UST N/A**
1/8-1/4 **SAN PEDRO, CA 90731**
0.186 mi.
984 ft. **Site 5 of 5 in cluster F**

Relative: **Lower**
Actual: **13 ft.**

CPS-SLIC:
Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 07/30/2010
Global Id: SL0603707909
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.749942
Longitude: -118.277888
Case Type: Cleanup Program Site
Case Worker: CL
Local Agency: Not reported
RB Case Number: 1150
File Location: Regional Board
Potential Media Affected: Soil, Soil Vapor, Surface water
Potential Contaminants of Concern: Diesel, Heating Oil / Fuel Oil, Other Petroleum, Waste Oil / Motor / Hydraulic / Lubricating
Site History: The CMT, located adjacent to the CCT, operated for approximately 70 years. Facilities include 20 large aboveground fuel storage tanks, associated above- and underground piping, and buildings. Primary operations at the CMT included fueling ships with bunker fuel and filling tanker trucks with lube oils and other petroleum products (McLaren/Hart, 1994). The former CMT property previously occupied the PoLA Berths 97 and 102. This terminal was demolished between 1991 and 1993. Due to the widening of the adjacent turning basin, approximately 9 acres of the northeastern portion of the CMT were removed to a depth of approximately 45 feet below the mean lower low water (MLLW) level. Consequently, the property was reconfigured to

FORMER CHEVRON MARINE TERMINAL (Continued) **U001565567**

its current layout, occupying what is now called Berth 100. The CCT is located on the adjacent property to the south (Berth 96). Environmental investigations performed at both the former CMT and CCT sites indicate that the contaminant plume originating at the former CMT extends onto the adjacent CCT property. The major contaminants of concern are petroleum hydrocarbons in soils and groundwater. Additional subsurface investigations are ongoing to completely delineate impact. Measurable non-aqueous phase liquid (NAPL) was detected on October 10, 2006 in one of the groundwater monitoring wells, MW-3. Recovery activities using bailers were performed from January to April 2007. From May 2007 to the present, oil-absorbent socks (i.e., SoakEase or equivalent) have been used in well MW-03 in order to recover NAPL. Currently, the socks are removed and replaced once a week.

Click here to access the California GeoTracker records for this facility:

HIST UST:

File Number:	00026F29
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026F29.pdf
Region:	STATE
Facility ID:	00000020929
Facility Type:	Other
Other Type:	MARINE TERMINAL
Contact Name:	C.T. MENECHOIS
Telephone:	2138326474
Owner Name:	CHEVRON, USA INC
Owner Address:	1201 SO. BEACH BLVD.
Owner City,St,Zip:	LA HABRA, CA 90631
Total Tanks:	0002
Tank Num:	001
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

G28
SSE
1/8-1/4
0.194 mi.
1024 ft.

TOM ANAST
100 W 1ST ST
SAN PEDRO, CA 90731

SWEEPS UST **S101584009**
CA FID UST **N/A**

Site 1 of 2 in cluster G

Relative:
Lower

Actual:
19 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	4763
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19007866
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	100 W 1ST ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SAN PEDRO 907310000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

29
SSW
1/8-1/4
0.206 mi.
1088 ft.

EDISON/SAN PEDRO MGP
SANTA CRUZ, CENTRE AND PALOS VERDES STREETS
SAN PEDRO, CA 90731

EDR MGP **1008407769**
N/A

Relative:
Higher

Actual:
44 ft.

Manufactured Gas Plants:

No additional information available

G30 **LOS ANGELES HARBOR BERTH** **HIST CORTESE** **1000102167**
South **HARBOR BLVD** **N/A**
1/8-1/4 **SAN PEDRO, CA 90731**
0.215 mi.
1134 ft. **Site 2 of 2 in cluster G**

Relative: **Lower**
Actual: **20 ft.**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19490187

---

31 **PORT OF LOS ANGELES - TODD SHIPYARD** **CPS-SLIC** **S106387138**
NNE **100 REGAN** **N/A**
1/4-1/2 **LOS ANGELES, CA 90731**
0.259 mi.
1370 ft.

Relative: **Lower**
Actual: **12 ft.**

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	06/26/2014
Global Id:	SLT4L8011872
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.751921
Longitude:	-118.275874
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0801
File Location:	Regional Board
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Chromium, Copper, Lead, Mercury (elemental)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Inactive
SLIC:	0801
Substance:	TPH
Staff:	Not reported

---

32 **PORT OF LOS ANGELES BERTH 174** **ENVIROSTOR** **S101480931**
South **425 SOUTH PALOS VERDES STREET** **N/A**
1/4-1/2 **SAN PEDRO, CA 90733**
0.363 mi.
1918 ft.

Relative: **Higher**
Actual: **36 ft.**

ENVIROSTOR:

Facility ID:	19440005
Status:	Refer: RWQCB
Status Date:	01/11/2011
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation

PORT OF LOS ANGELES BERTH 174 (Continued) **S101480931**

Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	70
Senate:	35
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.73972
Longitude:	-118.2813
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	19440005
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	04/24/2009
Comments:	Site Screening completed by DTSC and approved by EPA

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/10/1995
Comments:	NFA for DTSC, RWQCB LEAD.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/13/1990
Comments:	SITE SCREENING DONE RECEIVED REMEDIAL WORK PLAN FOR BIO TREAT. SOIL. SENT A LETTER TO PORT OF LA STATING THAT DHS HAS NO OBJECTION TO USING BIOREMEDIATION ON THE STOCKPILED SOIL-PROVIDED THAT THE PORT WORKS CLOSE- LY WITH THE RWQCB TO FULLY CHARACTERIZE THE AREA AROUND THE UNDERGROUND VAULT WHERE THE SOIL WAS EXCAVATED. ABOVE MENTIONED LETTER SENT 1-1-91.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

33 WNW 1/4-1/2 0.371 mi. 1958 ft. **LA UNI SCH DIST, HARBOR OCCUPA**
740 NORTH PACIFIC AV
SAN PEDRO, CA 90051

LUST S105938411
EMI N/A

Relative: Higher
Actual: 29 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603715990
Global Id:	T0603715990
Latitude:	33.749319
Longitude:	-118.285954
Status:	Completed - Case Closed
Status Date:	07/02/2007
Case Worker:	CET
RB Case Number:	907310525
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	28160
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0603715990
Contact Type:	Regional Board Caseworker
Contact Name:	CHANDRA TYLER
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	cetyler@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603715990
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603715990
Action Type:	ENFORCEMENT
Date:	05/27/2005
Action:	Staff Letter

Global Id:	T0603715990
Action Type:	REMEDIATION
Date:	04/24/2003
Action:	Excavation

Global Id:	T0603715990
Action Type:	Other
Date:	04/22/2005
Action:	Leak Reported

LA UNI SCH DIST, HARBOR OCCUPA (Continued) **S105938411**

Global Id: T0603715990
Action Type: Other
Date: 05/21/2003
Action: Leak Discovery

Global Id: T0603715990
Action Type: ENFORCEMENT
Date: 05/22/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0603715990
Action Type: RESPONSE
Date: 06/27/2005
Action: Other Report / Document

Global Id: T0603715990
Action Type: ENFORCEMENT
Date: 07/02/2007
Action: Closure/No Further Action Letter

Global Id: T0603715990
Action Type: RESPONSE
Date: 05/05/2005
Action: Soil and Water Investigation Workplan

Global Id: T0603715990
Action Type: RESPONSE
Date: 11/23/2005
Action: Preliminary Site Assessment Report

LUST:
Global Id: T0603715990
Status: Completed - Case Closed
Status Date: 07/02/2007

Global Id: T0603715990
Status: Open - Case Begin Date
Status Date: 05/21/2003

Global Id: T0603715990
Status: Open - Site Assessment
Status Date: 04/22/2004

Global Id: T0603715990
Status: Open - Site Assessment
Status Date: 04/22/2005

Global Id: T0603715990
Status: Open - Site Assessment
Status Date: 07/28/2005

EMI:
Year: 1987
County Code: 19
Air Basin: SC

LA UNI SCH DIST, HARBOR OCCUPA (Continued) **S105938411**

Facility ID:	1539
Air District Name:	SC
SIC Code:	8221
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	1539
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	1539
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	1539
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

LA UNI SCH DIST, HARBOR OCCUPA (Continued) **S105938411**

Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	1539
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	1539
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	1539
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

LA UNI SCH DIST, HARBOR OCCUPA (Continued) **S105938411**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	1539
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

34
West
1/4-1/2
0.406 mi.
2143 ft.

Relative:
Higher

Actual:
94 ft.

PLAZA AUTOMOTIVE CENTER **SEMS-ARCHIVE** **1000442774**
505 N PACIFIC AVE **RCRA-SQG** **CAD982403370**
SAN PEDRO, CA 90731 **ENVIROSTOR**
FINDS
ECHO
HAZNET

SEMS Archive:

Site ID:	905279
EPA ID:	CAD982403370
Cong District:	32
FIPS Code:	6037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	9
Site ID:	905279
EPA ID:	CAD982403370
Site Name:	PLAZA AUTOMOTIVE CENTER
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-09-25 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	905279
EPA ID:	CAD982403370
Site Name:	PLAZA AUTOMOTIVE CENTER
NPL:	N
FF:	N
OU:	0

PLAZA AUTOMOTIVE CENTER (Continued) **1000442774**

Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-09-25 00:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	9
Site ID:	905279
EPA ID:	CAD982403370
Site Name:	PLAZA AUTOMOTIVE CENTER
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1995-08-23 00:00:00
Finish Date:	1995-08-23 00:00:00
Qual:	Not reported
Current Action Lead:	St Perf

RCRA-SQG:

Date form received by agency:	02/12/1990
Facility name:	PLAZA AUTOMOTIVE CENTER
Facility address:	505 N PACIFIC AVE SAN PEDRO, CA 90731
EPA ID:	CAD982403370
Mailing address:	N PACIFIC AVE SAN PEDRO, CA 90731
Contact:	ENVIRONMENTAL MANAGER
Contact address:	505 N PACIFIC AVE SAN PEDRO, CA 90731
Contact country:	US
Contact telephone:	213-831-0662
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	AH MIRMOTAHARI
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private

PLAZA AUTOMOTIVE CENTER (Continued) **1000442774**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

ENVIROSTOR:
Facility ID: 19750082
Status: Inactive - Needs Evaluation
Status Date: 10/03/1996
Site Code: 400567
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: * Rebecca Chou
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.74742

PLAZA AUTOMOTIVE CENTER (Continued) **1000442774**

Longitude: -118.2882
APN: 7448027031
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED ORGANIC COMPOUNDS * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * OTHER ORGANIC SOLIDS * OXYGENATED SOLVENTS * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS * UNSPECIFIED ORGANIC LIQUID MIXTURE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BANK OF SAN PEDRO
Alias Type: Alternate Name
Alias Name: 7448027031
Alias Type: APN
Alias Name: CAD982403370
Alias Type: EPA Identification Number
Alias Name: 110002805171
Alias Type: EPA (FRS #)
Alias Name: 400567
Alias Type: Project Code (Site Code)
Alias Name: 19750082
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/25/1996
Comments: Preliminary assessment was completed under U.S. EPA grant. The site does not qualify for further remedial assessment under CERCLA (Site Evaluation Accomplished) - however, a PEA is required for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/22/1995
Comments: The Department received non-emergency hazardous substance release report dated March 24, 1995. The site is contamin- ated with methylene chloride, TPH, and tetrachloroethene. Due to evidence of contamination, the Department recommended that a PEA be conducted and notified the RP. The FDIC, in its capacity as Receiver of the Bank of San Pedro, involuntarily acquired the property as a result of the closure of the Bank on July 15, 1994.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FINDS:

Registry ID: 110002805171

PLAZA AUTOMOTIVE CENTER (Continued) **1000442774**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000442774
Registry ID:	110002805171
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002805171

HAZNET:

envid:	1000442774
Year:	1998
GEPAID:	CAD982403370
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	505 N PACIFIC AVE
Mailing City,St,Zip:	SAN PEDRO, CA 907312021
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.0542
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

35
West
1/4-1/2
0.452 mi.
2388 ft.

BARTON HILL ELEMENTARY SCHOOL
423 PACIFIC AVENUE
SAN PEDRO, CA 90731

ENVIROSTOR **S105628593**
SCH **N/A**

Relative:
Higher

Actual:
109 ft.

ENVIROSTOR:

Facility ID:	19820064
Status:	Inactive - Needs Evaluation
Status Date:	02/01/2001
Site Code:	304229
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Shahir Haddad
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	70

BARTON HILL ELEMENTARY SCHOOL (Continued) **S105628593**

Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.74646
Longitude: -118.2889
APN: 7448028904
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BARTON HILL ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: LAUSD-BARTON HILL ADDITION
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 7448028904
Alias Type: APN
Alias Name: 304229
Alias Type: Project Code (Site Code)
Alias Name: 19820064
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 02/08/2001
Comments: Inactive Status Letter sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19820064
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

BARTON HILL ELEMENTARY SCHOOL (Continued) **S105628593**

Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Shahir Haddad
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304229
Assembly:	70
Senate:	35
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	02/01/2001
Restricted Use:	NO
Funding:	School District
Latitude:	33.74646
Longitude:	-118.2889
APN:	7448028904
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	BARTON HILL ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	LAUSD-BARTON HILL ADDITION
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	7448028904
Alias Type:	APN
Alias Name:	304229
Alias Type:	Project Code (Site Code)
Alias Name:	19820064
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	02/08/2001
Comments:	Inactive Status Letter sent to LAUSD.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

36
SW
1/2-1
0.621 mi.
3280 ft.

RICHARDS CLEANERS
538 WEST 5TH STREET
SAN PEDRO, CA 90731

RESPONSE
ENVIROSTOR
Cortese

S108054419
N/A

Relative:
Higher

Actual:
87 ft.

RESPONSE:

Facility ID:	60000408
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.34
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Joseph Cully
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Site Code:	401317
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	70
Senate:	35
Special Program Status:	Not reported
Status:	Active
Status Date:	09/19/2013
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.73992
Longitude:	-118.2888
APN:	7451-027-004
Past Use:	DRY CLEANING
Potential COC :	Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE
Confirmed COC:	Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE
Potential Description:	AQUI, OTH, SOIL, SV
Alias Name:	7451-027-004
Alias Type:	APN
Alias Name:	110033606578
Alias Type:	EPA (FRS #)
Alias Name:	401317
Alias Type:	Project Code (Site Code)
Alias Name:	60000408
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/13/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Request for Tribal Outreach
Completed Date:	05/04/2018
Comments:	Signed by branch chief and mailed to Environmental Justice and Tribal Affairs on this date.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	03/09/2010

RICHARDS CLEANERS (Continued) **S108054419**

Comments: Final letter from DTSC went out on 3/9/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/09/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/23/2009
Comments: On November 23, 2009, DTSC stated that the addendum to the RI/FS workplan submitted on November 4, 2009 was complete, and the workplan was therefore approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/26/2009
Comments: Geologist approved modified workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/27/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/05/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/19/2011
Comments: No further revisions were required. The consultant was simply involved to apply comments to future groundwater monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/21/2012

RICHARDS CLEANERS (Continued) **S108054419**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2012
Comments: No changes were requested. Comments were made to be incorporated into future groundwater monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2005
Comments: DTSC had no comments on this document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/24/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/14/2011
Comments: Not reported

RICHARDS CLEANERS (Continued) **S108054419**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/02/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

RICHARDS CLEANERS (Continued) **S108054419**

Completed Date: 04/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/03/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/23/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/25/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/10/2009
Comments: Cost Recovery Demand Letter Sent certified mail

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 11/16/2010
Comments: Second Collection Letter sent certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/30/2012
Comments: Reminder sent regarding unpaid past due invoices.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/16/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Injunctive Relief Order
Completed Date: 10/02/2017
Comments: Not reported

RICHARDS CLEANERS (Continued) **S108054419**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 11/07/2008
Comments: The Order was issued on November 7, 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/28/2009
Comments: Cost Recovery Demand Letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/11/2010
Comments: Cost Recovery letter sent for past due invoice balances.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/20/2010
Comments: Final collection letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2009
Comments: Letter sent out on October 13, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

RICHARDS CLEANERS (Continued) **S108054419**

Completed Date: 07/26/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/07/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: No further changes in the report are required by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/24/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: Groundwater monitoring report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2012
Comments: This report was approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/29/2012
Comments: Not reported

RICHARDS CLEANERS (Continued) **S108054419**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 08/16/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2010
Comments: Sent letter on October 26, 2010.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 60000408
Status: Active
Status Date: 09/19/2013
Site Code: 401317
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.34
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Joseph Cully
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.73992
Longitude: -118.2888
APN: 7451-027-004

RICHARDS CLEANERS (Continued) **S108054419**

Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE
Potential Description: AQUI, OTH, SOIL, SV
Alias Name: 7451-027-004
Alias Type: APN
Alias Name: 110033606578
Alias Type: EPA (FRS #)
Alias Name: 401317
Alias Type: Project Code (Site Code)
Alias Name: 60000408
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 05/04/2018
Comments: Signed by branch chief and mailed to Environmental Justice and Tribal Affairs on this date.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/09/2010
Comments: Final letter from DTSC went out on 3/9/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/09/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/23/2009
Comments: On November 23, 2009, DTSC stated that the addendum to the RI/FS workplan submitted on November 4, 2009 was complete, and the workplan was therefore approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/26/2009
Comments: Geologist approved modified workplan.

RICHARDS CLEANERS (Continued) **S108054419**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/27/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/05/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/19/2011
Comments: No further revisions were required. The consultant was simply involved to apply comments to future groundwater monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/21/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2012
Comments: No changes were requested. Comments were made to be incorporated into future groundwater monitoring reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE

RICHARDS CLEANERS (Continued) **S108054419**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2005
Comments: DTSC had no comments on this document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/24/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/20/2012

RICHARDS CLEANERS (Continued) **S108054419**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/02/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/03/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/23/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/25/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE

RICHARDS CLEANERS (Continued) **S108054419**

Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/10/2009
Comments: Cost Recovery Demand Letter Sent certified mail

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 11/16/2010
Comments: Second Collection Letter sent certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/30/2012
Comments: Reminder sent regarding unpaid past due invoices.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/16/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Injunctive Relief Order
Completed Date: 10/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 11/07/2008
Comments: The Order was issued on November 7, 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/28/2009
Comments: Cost Recovery Demand Letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/11/2010
Comments: Cost Recovery letter sent for past due invoice balances.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/20/2010

RICHARDS CLEANERS (Continued) **S108054419**

Comments: Final collection letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2009
Comments: Letter sent out on October 13, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/26/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/07/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: No further changes in the report are required by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/24/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE

RICHARDS CLEANERS (Continued) **S108054419**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2011
Comments: Groundwater monitoring report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2012
Comments: This report was approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/18/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 08/16/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2010
Comments: Sent letter on October 26, 2010.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

RICHARDS CLEANERS (Continued) **S108054419**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CORTESE:
Region: CORTESE
Envirostor Id: 60000408
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 09/19/2013
Site Code: 401317
Latitude: 33.739920
Longitude: -118.28884
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

37
WSW
1/2-1
0.659 mi.
3481 ft.

OCEAN PARK CLEANERS **ENVIROSTOR** **S106843138**
114 N. GAFFEY STREET **N/A**
SAN PEDRO, CA 90731

Relative:
Higher

Actual:
136 ft.

ENVIROSTOR:
Facility ID: 19720032
Status: Refer: 1248 Local Agency
Status Date: 06/13/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 54
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.74360
Longitude: -118.2918
APN: NONE SPECIFIED

OCEAN PARK CLEANERS (Continued) **S106843138**

Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720032
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 06/08/2001
Comments: SB 1248 Los Angeles County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

38
NW
1/2-1
0.715 mi.
3774 ft.

KINDER MORGAN LIQUIDS TERMINAL **ENVIROSTOR** **1007738716**
1900 WILMINGTON **US AIRS** **N/A**
WILMINGTON, CA 90744

Relative:
Lower

Actual:
13 ft.

ENVIROSTOR:
Facility ID: 71002122
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.75559
Longitude: -118.2897
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000630053

KINDER MORGAN LIQUIDS TERMINAL (Continued) **1007738716**

Alias Type: EPA Identification Number
Alias Name: 110018988201
Alias Type: EPA (FRS #)
Alias Name: 71002122
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

US AIRS MINOR:
Envid: 1007738716
Region Code: 09
Programmatic ID: AIR CASCA00006037CJ458
Facility Registry ID: 110018988201
D and B Number: Not reported
Primary SIC Code: 5171
NAICS Code: 493190
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS MINOR:
Envid: 1007738716
Region Code: 09
Programmatic ID: AIR CASCA00006037CJ458
Facility Registry ID: 110018988201
D and B Number: Not reported
Primary SIC Code: 5171
NAICS Code: 493190
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

39
NE
1/2-1
0.727 mi.
3837 ft.

UNOCAL SAN PEDRO MARINA
MAIN CHANNEL
SAN PEDRO, CA

CHMIRS **S100179287**
Notify 65 **N/A**

Relative:
Lower

Actual:
8 ft.

CHMIRS:

OES Incident Number:	3-2942
OES notification:	06/08/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	LA Main Channel
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	NRC
Incident Date:	6/8/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Lubricating oil
Gallons:	4
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported

UNOCAL SAN PEDRO MARINA (Continued) **S100179287**

Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the NRC report, a sheen was discovered in the LA main channel. Material is dissipating naturally.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

---

40 **TERMINAL ISL BAR BAL A** **ENVIROSTOR** **S107737438**
ESE **N/A**
1/2-1 **LONG BEACH, CA**
0.847 mi.
4471 ft.

Relative: **Lower**
Actual: **6 ft.**

ENVIROSTOR:

Facility ID:	80000484
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	70
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.74138
Longitude:	-118.2669
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED

TERMINAL ISL BAR BAL A (Continued) **S107737438**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F563500
Alias Type: Federal Facility ID
Alias Name: J09CA0643
Alias Type: INPR
Alias Name: 80000484
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

41
NW
1/2-1
0.849 mi.
4484 ft.

KINDER MORGAN - GAFFEY STREET TERMINAL **ENVIROSTOR** **S109149593**
1313/1363 N GAFFEY STREET **VCP** **N/A**
SAN PEDRO, CA 90731

Relative:
Lower

Actual:
15 ft.

ENVIROSTOR:
Facility ID: 60000353
Status: Certified
Status Date: 08/19/2013
Site Code: 401310
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 12.07
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Eileen Mananian
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.75663
Longitude: -118.2936
APN: 7445-002-051, 7445-002-052, 7445002005
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, OIL/WATER SEPARATORS
Potential COC: Benzene Methane Methyl tertbutyl ether (MTBE TPH-diesel TPH-gas TPH-MOTOR OIL

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Confirmed COC: TPH-diesel TPH-gas Benzene Methane Methyl tertbutyl ether (MTBE TPH-MOTOR OIL
Potential Description: OTH, SOIL, SV
Alias Name: 7445-002-051
Alias Type: APN
Alias Name: 7445-002-052
Alias Type: APN
Alias Name: 7445002005
Alias Type: APN
Alias Name: 110033607345
Alias Type: EPA (FRS #)
Alias Name: 401310
Alias Type: Project Code (Site Code)
Alias Name: 60000353
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/18/2010
Comments: Not reported

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Certification
Completed Date: 05/24/2012
Comments: The Eastern OU for the Kinder Morgan Gaffey Street terminal has been certified for closure.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 02/21/2008
Comments: Kinder Morgan VCA Addendum for offsite investigations executed.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/10/2006
Comments: Not reported

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/07/2006
Comments: Not reported

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/08/2006
Comments: DTSC approved SSI WP for implementation. Implementation 12/7&8 and 12/15-22.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Date: 04/12/2007
Comments: Not reported

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/13/2008
Comments: Final approval letter sent to Kinder Morgan.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/31/2009
Comments: RAP/FS including Negative Declaration (CEQA documents) approved with no further comments. Mobilization of equipment in anticipation to fieldwork will begin. Excavation and implementation of the RAP/FS will begin after the Remedial Design and Implementation Plan approval (pending - late August approval).

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/27/2009
Comments: RDIP approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 07/28/2008
Comments: PPP completed and sent to repository at the San Pedro Public Library.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/04/2010
Comments: Report, dated 9/16/2010 was revised and sent to DTSC on 10/4/2010. The document was reviewed and there was no comment. Final letter approving and certifying the site is being prepared and will be sent today.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/14/2009
Comments: Fact sheet sent to printer - ready for print and distribution.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/13/2008
Comments: Offsite investigation Workplan is complete. Fieldwork to begin once DTSC is notified.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2009

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Comments:	Off-site Activities Progress Report accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Health & Safety Plan
Completed Date:	01/08/2007
Comments:	Health and Safety Plan accepted
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/13/2009
Comments:	Monitoring Report accepted and approved.
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/14/2009
Comments:	Document reviewed and no revisions were needed. Document accepted
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Western Operable Unit
Completed Document Type:	Fieldwork
Completed Date:	09/08/2010
Comments:	Fieldwork completed on the Western OU. No letter needed to document the end of fieldwork.
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/26/2010
Comments:	Document accepted. No comments at this time.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Correspondence - Received
Completed Date:	10/27/2009
Comments:	Coorespondence Received
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Western Operable Unit
Completed Document Type:	Certification
Completed Date:	10/04/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Correspondence - Received
Completed Date:	07/27/2009
Comments:	Correspondence received
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/15/2010
Comments:	Report received

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Removal Action Completion Report
Completed Date:	05/24/2012
Comments:	Revised Remedial Excavation Report and HHRA for the Eastern OU has been approved and the Site can be certified. The certification package along with the approval letter has been uploaded to this activity.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/30/2010
Comments:	Report Received - no comment letter sent.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Fieldwork
Completed Date:	06/10/2011
Comments:	No letter is needed to document completion of fieldwork
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/29/2010
Comments:	document complete and no comments are needed at this time.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Western Operable Unit
Completed Document Type:	Technical Workplan
Completed Date:	09/01/2010
Comments:	No report submitted and no letter sent. Results of investigation included in the Remedial Excavation Report and Human Health Risk Assessment Report for the Western OU.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Technical Workplan
Completed Date:	10/12/2010
Comments:	Document completed and accepted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Mitigation Monitoring Report
Completed Date:	08/09/2010
Comments:	Document received by DTSC
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	10/05/2010
Comments:	Document received and accepted
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	02/02/2011

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Comments:	Report received by DTSC
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	05/03/2011
Comments:	Further characterization needed at the Y&S Autobody Shop to determine the extent of the Kinder Morgan plume and to characterize contamination from USTs on the Y&S property.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Western Operable Unit
Completed Document Type:	Technical Workplan
Completed Date:	04/20/2011
Comments:	Document approved and fieldwork scheduled to start 4/21/2011
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Western Operable Unit
Completed Document Type:	Other Report
Completed Date:	03/29/2011
Comments:	Not reported
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Western Operable Unit
Completed Document Type:	Technical Report
Completed Date:	05/18/2011
Comments:	Report approved. DTSC concurs with the conclusions made in the Report. There were no contaminants found in soil that exceeded the Remedial Action Goals set forth in the Remedial Action Plan.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Monitoring Report
Completed Date:	09/08/2011
Comments:	Document accepted.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Monitoring Report
Completed Date:	10/31/2011
Comments:	Document accepted with minor comments.
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Installation Workplan
Completed Date:	08/22/2011
Comments:	Workplan approved
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Completion Report
Completed Date:	01/19/2012
Comments:	DTSC provided response to document.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Monitoring Report

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Date:	02/16/2012
Comments:	Document accepted with minor comments. Comments will be addressed in next quarters Groundwater Monitoring Report.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Monitoring Report
Completed Date:	05/23/2012
Comments:	DTSC has no comments on the Report. The Report is approved.
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	11/05/2012
Comments:	Document approved by DTSC
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Technical Workplan
Completed Date:	02/16/2012
Comments:	Document approved by DTSC. TRC will make revisions per minor comments provided on the Workplan. Fieldwork will be scheduled for late Feb./early March 2012, depending on contractor availability and weather conditions.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Well Decommissioning Report
Completed Date:	07/30/2012
Comments:	Not reported
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Decommissioning Report
Completed Date:	04/10/2013
Comments:	Well Decomissioning Report for Off-site wells at the Kinder Morgan Gaffey Street Site reviewed. Disposal facility verified and manifests reviewed also. No comments made. Report approval letter sent to RP on 4/10/2013. All site activities have now been completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/30/2009
Comments:	Cost Estimate letter sent to proponent via U.S. Mail and email
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	12/24/2008
Comments:	Annual Cost Estimate and Schedule sent for 2009 Calendar year.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/30/2011
Comments:	2012 Annual Cost Estimate letter sent to RP.

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 06/18/2009
Comments: Review of Initial Study completed. Final draft accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2012
Comments: 2013 Annual Cost Estimate letter sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/16/2007
Comments: Letter for 2008 Annual Cost Estimate sent to Project Proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2010
Comments: 2011 Annual Cost Estimate and Schedule sent to RP.

Completed Area Name: On-Site Soil and Groundwater Operable Unit - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/29/2006
Comments: Not reported

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 11/05/2012
Comments: Based on monitoring data, Off-site OU has been closed with No Further Action. Contamination found on adjacent property will be dealt with by adjacent property owner and not by Kinder Morgan.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 60000353
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 12.07
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Eileen Mananian
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401310
Assembly:	70
Senate:	35
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified
Status Date:	08/19/2013
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.75663 / -118.2936
APN:	7445-002-051, 7445-002-052, 7445002005
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, OIL/WATER SEPARATORS
Potential COC:	30003, 30015, 30016, 30024, 30025, 3002502
Confirmed COC:	30024,30025,30003,30015,30016,3002502
Potential Description:	OTH, SOIL, SV
Alias Name:	7445-002-051
Alias Type:	APN
Alias Name:	7445-002-052
Alias Type:	APN
Alias Name:	7445002005
Alias Type:	APN
Alias Name:	110033607345
Alias Type:	EPA (FRS #)
Alias Name:	401310
Alias Type:	Project Code (Site Code)
Alias Name:	60000353
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	05/18/2010
Comments:	Not reported
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Eastern Operable Unit
Completed Document Type:	Certification
Completed Date:	05/24/2012
Comments:	The Eastern OU for the Kinder Morgan Gaffey Street terminal has been certified for closure.
Completed Area Name:	Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	02/21/2008
Comments:	Kinder Morgan VCA Addendum for offsite investigations executed.
Completed Area Name:	On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/10/2006
Comments:	Not reported
Completed Area Name:	On-Site Soil and Groundwater Operable Unit

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/07/2006
Comments: Not reported

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/08/2006
Comments: DTSC approved SSI WP for implementation. Implementation 12/7&8 and 12/15-22.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/12/2007
Comments: Not reported

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/13/2008
Comments: Final approval letter sent to Kinder Morgan.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/31/2009
Comments: RAP/FS including Negative Declaration (CEQA documents) approved with no further comments. Mobilization of equipment in anticipation to fieldwork will begin. Excavation and implementation of the RAP/FS will begin after the Remedial Design and Implementation Plan approval (pending - late August approval).

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/27/2009
Comments: RDIP approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 07/28/2008
Comments: PPP completed and sent to repository at the San Pedro Public Library.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/04/2010
Comments: Report, dated 9/16/2010 was revised and sent to DTSC on 10/4/2010. The document was reviewed and there was no comment. Final letter approving and certifying the site is being prepared and will be sent today.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Document Type: Fact Sheets
Completed Date: 05/14/2009
Comments: Fact sheet sent to printer - ready for print and distribution.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/13/2008
Comments: Offsite investigation Workplan is complete. Fieldwork to begin once DTSC is notified.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2009
Comments: Off-site Activities Progress Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 01/08/2007
Comments: Health and Safety Plan accepted

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2009
Comments: Monitoring Report accepted and approved.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/14/2009
Comments: Document reviewed and no revisions were needed. Document accepted

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Fieldwork
Completed Date: 09/08/2010
Comments: Fieldwork completed on the Western OU. No letter needed to document the end of fieldwork.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2010
Comments: Document accepted. No comments at this time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 10/27/2009
Comments: Cooresponden ce Received

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Certification

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Date: 10/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 07/27/2009
Comments: Correspondence received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/15/2010
Comments: Report received

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Removal Action Completion Report
Completed Date: 05/24/2012
Comments: Revised Remedial Excavation Report and HHRA for the Eastern OU has been approved and the Site can be certified. The certification package along with the approval letter has been uploaded to this activity.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/30/2010
Comments: Report Received - no comment letter sent.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Fieldwork
Completed Date: 06/10/2011
Comments: No letter is needed to document completion of fieldwork

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2010
Comments: document complete and no comments are needed at this time.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Technical Workplan
Completed Date: 09/01/2010
Comments: No report submitted and no letter sent. Results of investigation included in the Remedial Excavation Report and Human Health Risk Assessment Report for the Western OU.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Technical Workplan
Completed Date: 10/12/2010
Comments: Document completed and accepted.

Completed Area Name: PROJECT WIDE

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Sub Area Name: Not reported
Completed Document Type: Mitigation Monitoring Report
Completed Date: 08/09/2010
Comments: Document received by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/05/2010
Comments: Document received and accepted

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/02/2011
Comments: Report received by DTSC

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/03/2011
Comments: Further characterization needed at the Y&S Autobody Shop to determine the extent of the Kinder Morgan plume and to characterize contamination from USTs on the Y&S property.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Technical Workplan
Completed Date: 04/20/2011
Comments: Document approved and fieldwork scheduled to start 4/21/2011

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Other Report
Completed Date: 03/29/2011
Comments: Not reported

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Western Operable Unit
Completed Document Type: Technical Report
Completed Date: 05/18/2011
Comments: Report approved. DTSC concurs with the conclusions made in the Report. There were no contaminants found in soil that exceeded the Remedial Action Goals set forth in the Remedial Action Plan.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Monitoring Report
Completed Date: 09/08/2011
Comments: Document accepted.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Monitoring Report
Completed Date: 10/31/2011
Comments: Document accepted with minor comments.

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/22/2011
Comments: Workplan approved

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 01/19/2012
Comments: DTSC provided response to document.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Monitoring Report
Completed Date: 02/16/2012
Comments: Document accepted with minor comments. Comments will be addressed in next quarters Groundwater Monitoring Report.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Monitoring Report
Completed Date: 05/23/2012
Comments: DTSC has no comments on the Report. The Report is approved.

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/05/2012
Comments: Document approved by DTSC

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Technical Workplan
Completed Date: 02/16/2012
Comments: Document approved by DTSC. TRC will make revisions per minor comments provided on the Workplan. Fieldwork will be scheduled for late Feb./early March 2012, depending on contractor availability and weather conditions.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Eastern Operable Unit
Completed Document Type: Well Decommissioning Report
Completed Date: 07/30/2012
Comments: Not reported

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 04/10/2013
Comments: Well Decomissioning Report for Off-site wells at the Kinder Morgan Gaffey Street Site reviewed. Disposal facility verified and manifests reviewed also. No comments made. Report approval letter sent to RP on 4/10/2013. All site activities have now been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2009
Comments: Cost Estimate letter sent to proponent via U.S. Mail and email

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/24/2008
Comments: Annual Cost Estimate and Schedule sent for 2009 Calendar year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/30/2011
Comments: 2012 Annual Cost Estimate letter sent to RP.

Completed Area Name: On-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 06/18/2009
Comments: Review of Initial Study completed. Final draft accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2012
Comments: 2013 Annual Cost Estimate letter sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/16/2007
Comments: Letter for 2008 Annual Cost Estimate sent to Project Proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2010
Comments: 2011 Annual Cost Estimate and Schedule sent to RP.

Completed Area Name: On-Site Soil and Groundwater Operable Unit - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/29/2006
Comments: Not reported

Completed Area Name: Off-Site Soil and Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 11/05/2012
Comments: Based on monitoring data, Off-site OU has been closed with No Further Action. Contamination found on adjacent property will be dealt with by adjacent property owner and not by Kinder Morgan.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

KINDER MORGAN - GAFFEY STREET TERMINAL (Continued) **S109149593**

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

---

42 **WESTERN PIPE & STEEL** **ENVIROSTOR** **S107737604**
North **N/A**
1/2-1 **LOS ANGELES, CA**
0.880 mi.
4645 ft.

Relative: **Lower**
Actual: **18 ft.**

ENVIROSTOR:
Facility ID: 80000672
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.76111
Longitude: -118.2805
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F597500
Alias Type: Federal Facility ID
Alias Name: J09CA1081
Alias Type: INPR
Alias Name: 80000672
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

WESTERN PIPE & STEEL (Continued) **S107737604**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

43
SE
1/2-1
0.884 mi.
4669 ft.

Relative:
Lower

Actual:
6 ft.

SOUTHWEST MARINE INC
985 SOUTH SEASIDE AVE
TERMINAL ISLAND, CA 90731

RCRA-SQG **1000411013**
RESPONSE **CAD980638076**
ENVIROSTOR
LUST
CPS-SLIC
CHMIRS
FINDS
ECHO
Cortese
ENF
HIST CORTESE
CIWQS

RCRA-SQG:
Date form received by agency: 03/24/2004
Facility name: SOUTHWEST MARINE SAN PEDRO
Facility address: 985 SOUTH SEASIDE
TERMINAL ISLAND, CA 90731
EPA ID: CAD980638076
Mailing address: P.O. BOX 3600
TERMINAL ISLAND, CA 90731
Contact: SANDOR HALVAX
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 619-238-1000
Telephone ext.: 2060
Contact email: HALVAXS@SWMARINE.COM
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SOUTHWEST MARINE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1987
Owner/Op end date: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Owner/operator name: PORT OF LOS ANGELES
Owner/operator address: 425 S. PALOS VERDES STREET
SAN PEDRO, CA 90731
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 12/09/1907
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 10/12/2000

SOUTHWEST MARINE INC (Continued) **1000411013**

Site name: SOUTHWEST MARINE, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999
Site name: SOUTHWEST MARINE, SAN PEDRO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: SOUTHWEST MARINE INC
Classification: Large Quantity Generator

Date form received by agency: 06/25/1996
Site name: SOUTHWEST MARINE, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: SOUTHWEST MARINE, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/03/1990
Site name: SOUTHWEST MARINE INC
Classification: Large Quantity Generator

Date form received by agency: 10/13/1981
Site name: SOUTHWEST MARINE INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 12/21/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

RESPONSE:
Facility ID: 60000999
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 20
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Sara Michael
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Site Code: 401456
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 70
Senate: 35
Special Program Status: Not reported
Status: Active
Status Date: 11/05/2008
Restricted Use: NO
Funding: Responsible Party
Latitude: 33.73449

SOUTHWEST MARINE INC (Continued) **1000411013**

Longitude:	-118.2696
APN:	7440-031-907, 7440-032-904, 7440-033-904, 7440-034-903
Past Use:	SHIPYARD - SHIP BUILDING/REPAIR
Potential COC :	Arsenic Lead Mercury (elemental TPH-diesel TPH-gas Antimony and compounds Chromium III Copper and compounds 1,4-Dioxane Furan Nickel Polychlorinated biphenyls (PCBs, see IRIS Selenium Zinc
Confirmed COC:	Arsenic Lead Mercury (elemental TPH-diesel TPH-gas Antimony and compounds Polychlorinated biphenyls (PCBs, see IRIS Selenium Chromium III Copper and compounds Nickel Zinc
Potential Description:	AQUI, OTH, SED, SOIL, SV
Alias Name:	7440-031-907
Alias Type:	APN
Alias Name:	7440-032-904
Alias Type:	APN
Alias Name:	7440-033-904
Alias Type:	APN
Alias Name:	7440-034-903
Alias Type:	APN
Alias Name:	401456
Alias Type:	Project Code (Site Code)
Alias Name:	60000999
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Gambol Industries
Completed Sub Area Name:	Not reported
Completed Document Type:	Consultative Service Agreement
Completed Date:	06/29/2010
Comments:	Fully Executed Standard Agreement was signed and executed on June 29, 2010.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	03/27/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/03/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/22/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	07/03/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Date: 04/25/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/01/2011
Comments: DTSC will not comment on this status report, which is merely a summary report of the latest sampling data. Rather, DTSC will comment on the Remedial Investigation Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 11/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/26/2009

SOUTHWEST MARINE INC (Continued) **1000411013**

Comments: DTSC made comments, but did not request revised reports. They only requested that they keep comments in mind for future quarterly groundwater reports.

Completed Area Name: Gambol Industries
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/11/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2010
Comments: DTSC made comments, but did not request the Port of LA to resubmit a new report. They said just to include these changes in the next report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 09/20/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/01/2011
Comments: Approved the quarterly groundwater monitoring report, and did not ask them to revise it.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Document Type: Monitoring Report
Completed Date: 02/02/2012
Comments: DTSC simply made comments on the first draft. We did not request that changes be made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2012
Comments: DTSC simply commented on the first draft. We did not request that changes be made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2012
Comments: DTSC simply made comments on the first draft of this report. We did not request that changes be made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2012
Comments: No comments. Document is approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Document Type: Technical Report
Completed Date: 12/15/2015
Comments: DTSC provided comments on December 9, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/09/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/16/2016
Comments: Final Public Participation Plan for Former Southwest Marine

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/07/2016
Comments: Review complete, response to be included in June or July Monthly Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 09/21/2016
Comments: Final SWM soil and groundwater remedial action plan was tentatively approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/08/2017
Comments: DTSC concurs with RDIP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2016
Comments: DTSC does not have any comments on the Groundwater Monitoring and Sampling August 2016 Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Document Type: Technical Report
Completed Date: 01/10/2017
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2017
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/21/2016
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/07/2013
Comments: CEQA Notice of Determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/28/2017
Comments: Monthly report, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/23/2017
Comments: Received April monthly summary report, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/29/2017
Comments: Received June monthly summary report, no comments were generated from review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/28/2017

SOUTHWEST MARINE INC (Continued) **1000411013**

Comments: DTSC does not have any comments on the SWM May 2017 monthly summary report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/28/2017
Comments: DTSC does not have any comments on the February 2017 Groundwater Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/05/2017
Comments: Email approval coincides with USEPA approval, July 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Submission complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/19/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/22/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/02/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2018
Comments: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/06/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2010
Comments: Letter sent on 10/26/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/18/2013
Comments: Draft initial study was signed

Completed Area Name: Gambol Industries
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/23/2011
Comments: Close-out Memo issued on contract 09-T9104, project code 401531-11.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 11/05/2008
Comments: Remedial Action Order issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: Gambol Industries
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/07/2011
Comments: Collection reminder sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Date: 12/01/2014
Comments: Cost estimate uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/18/2013
Comments: Annual cost estimate letter completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 07/18/2016
Comments: final documents.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 60000999
Status: Active
Status Date: 11/05/2008
Site Code: 401456
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 20
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Sara Michael
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.73449
Longitude: -118.2696
APN: 7440-031-907, 7440-032-904, 7440-033-904, 7440-034-903
Past Use: SHIPYARD - SHIP BUILDING/REPAIR

SOUTHWEST MARINE INC (Continued) **1000411013**

Potential COC: Arsenic Lead Mercury (elemental TPH-diesel TPH-gas Antimony and compounds Chromium III Copper and compounds 1,4-Dioxane Furan Nickel Polychlorinated biphenyls (PCBs, see IRIS Selenium Zinc
Confirmed COC: Arsenic Lead Mercury (elemental TPH-diesel TPH-gas Antimony and compounds Polychlorinated biphenyls (PCBs, see IRIS Selenium Chromium III Copper and compounds Nickel Zinc
Potential Description: AQUI, OTH, SED, SOIL, SV
Alias Name: 7440-031-907
Alias Type: APN
Alias Name: 7440-032-904
Alias Type: APN
Alias Name: 7440-033-904
Alias Type: APN
Alias Name: 7440-034-903
Alias Type: APN
Alias Name: 401456
Alias Type: Project Code (Site Code)
Alias Name: 60000999
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Gambol Industries
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 06/29/2010
Comments: Fully Executed Standard Agreement was signed and executed on June 29, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/22/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/25/2018
Comments: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/01/2011
Comments: DTSC will not comment on this status report, which is merely a summary report of the latest sampling data. Rather, DTSC will comment on the Remedial Investigation Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 11/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/26/2009
Comments: DTSC made comments, but did not request revised reports. They only requested that they keep comments in mind for future quarterly groundwater reports.

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Area Name: Gambol Industries
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/11/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2010
Comments: DTSC made comments, but did not request the Port of LA to resubmit a new report. They said just to include these changes in the next report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 09/20/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/01/2011
Comments: Approved the quarterly groundwater monitoring report, and did not ask them to revise it.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2012
Comments: DTSC simply made comments on the first draft. We did not request that changes be made.

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2012
Comments: DTSC simply commented on the first draft. We did not request that changes be made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2012
Comments: DTSC simply made comments on the first draft of this report. We did not request that changes be made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2012
Comments: No comments. Document is approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/15/2015
Comments: DTSC provided comments on December 9, 2015.

Completed Area Name: PROJECT WIDE

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/09/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/16/2016
Comments: Final Public Participation Plan for Former Southwest Marine

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/07/2016
Comments: Review complete, response to be included in June or July Monthly Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 09/21/2016
Comments: Final SWM soil and groundwater remedial action plan was tentatively approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/08/2017
Comments: DTSC concurs with RDIP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2016
Comments: DTSC does not have any comments on the Groundwater Monitoring and Sampling August 2016 Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/10/2017
Comments: Completed.

Completed Area Name: PROJECT WIDE

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2017
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/21/2016
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/07/2013
Comments: CEQA Notice of Determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/28/2017
Comments: Monthly report, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/23/2017
Comments: Received April monthly summary report, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/29/2017
Comments: Received June monthly summary report, no comments were generated from review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/28/2017
Comments: DTSC does not have any comments on the SWM May 2017 monthly summary report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Document Type: Monitoring Report
Completed Date: 06/28/2017
Comments: DTSC does not have any comments on the February 2017 Groundwater Monitoring Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/05/2017
Comments: Email approval coincides with USEPA approval, July 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Submission complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/19/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/22/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/02/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/06/2012

SOUTHWEST MARINE INC (Continued) **1000411013**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2010
Comments: Letter sent on 10/26/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/18/2013
Comments: Draft initial study was signed

Completed Area Name: Gambol Industries
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/23/2011
Comments: Close-out Memo issued on contract 09-T9104, project code 401531-11.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 11/05/2008
Comments: Remedial Action Order issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: Gambol Industries
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/07/2011
Comments: Collection reminder sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/01/2014
Comments: Cost estimate uploaded.

Completed Area Name: PROJECT WIDE

SOUTHWEST MARINE INC (Continued) **1000411013**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/18/2013
Comments: Annual cost estimate letter completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 07/18/2016
Comments: final documents.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2019
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701630
Global Id: T0603701630
Latitude: 33.7343449
Longitude: -118.2695251
Status: Completed - Case Closed
Status Date: 12/04/1997
Case Worker: JP
RB Case Number: 907310243
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701630
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

SOUTHWEST MARINE INC (Continued) **1000411013**

Global Id: T0603701630
Contact Type: Regional Board Caseworker
Contact Name: JOSE PEREYRA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0603701630
Action Type: Other
Date: 06/22/1994
Action: Leak Discovery

Global Id: T0603701630
Action Type: Other
Date: 06/22/1994
Action: Leak Stopped

Global Id: T0603701630
Action Type: Other
Date: 08/04/1994
Action: Leak Reported

LUST:
Global Id: T0603701630
Status: Completed - Case Closed
Status Date: 12/04/1997

Global Id: T0603701630
Status: Open - Case Begin Date
Status Date: 06/22/1994

Global Id: T0603701630
Status: Open - Site Assessment
Status Date: 08/17/1994

Global Id: T0603701630
Status: Open - Site Assessment
Status Date: 05/29/1997

Global Id: T0603701630
Status: Open - Site Assessment
Status Date: 06/10/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907310243
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701630	
W Global ID:	Not reported	
Staff:	JP	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/22/1994	
Date Leak First Reported:		8/4/1994
Date Leak Record Entered:	9/23/1994	
Date Confirmation Began:	8/17/1994	
Date Leak Stopped:	6/22/1994	
Date Case Last Changed on Database:		2/12/1998
Date the Case was Closed:		12/4/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Corrosion	
Leak Source:	Tank	
Operator:	OLD CASE #121594-75	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		22865.997239390875098767963556
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		5/29/1997
Preliminary Site Assessment Began:		6/10/1997
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SOUTHWEST MARINE	
RP Address:	985 SEASIDE, TERMINAL ISLAND,CA 90731	
Program:	LUST	
Lat/Long:	33.7343449 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	05/29/97 - INITIAL SITE ASSESSMENT WORKPLAN WELL ABANDONMENT REPORT	02/12/98 -

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	06/30/2002
Global Id:	SL092513

SOUTHWEST MARINE INC (Continued) **1000411013**

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.734549
Longitude:	-118.269533
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	1101
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Remediation
SLIC:	1101
Substance:	TPH
Staff:	TTW

CHMIRS:

OES Incident Number:	08-4791
OES notification:	06/28/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Los Angeles Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	Responsible Party

SOUTHWEST MARINE INC (Continued) **1000411013**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Pt.(s)
Other:	Not reported
Date/Time:	1230
Year:	2008
Agency:	NRC
Incident Date:	6/28/2008
Admin Agency:	L.A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Los Angeles Harbor
E Date:	Not reported
Substance:	Oil Fuel number 6
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC report, Caller is reporting that a gasket came loose on a hose connected to a poly tank which caused a discharge of #6 fuel oil. Booms and absorbents were applied and cleanup is under way.

FINDS:

Registry ID: 110000831324

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal

SOUTHWEST MARINE INC (Continued) **1000411013**

facilities.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS AIR POLLUTANT MAJOR

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

Registry ID: 110009532746

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000411013
Registry ID:	110009532746
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009532746
Envid:	1000411013
Registry ID:	110000831324
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000831324

CORTESE:

Region:	CORTESE
Envirostor Id:	60000999
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	11/05/2008
Site Code:	401456
Latitude:	33.73449
Longitude:	-118.26963

SOUTHWEST MARINE INC (Continued) **1000411013**

Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Haz Waste & Substances Sites

ENF:

Region:	4
Facility Id:	261745
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.734566999999
Place Longitude:	-118.2695460000
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.21299999
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Miscellaneous
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	Not reported
# Of Programs:	1
WDID:	4B192017002
Reg Measure Id:	135258
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	86-036
Npdes# CA#:	CA0000868
Major-Minor:	Minor

SOUTHWEST MARINE INC (Continued) **1000411013**

Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/23/1986
Effective Date:	06/23/1986
Expiration/Review Date:	06/10/1991
Termination Date:	10/30/1995
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220595
Region:	4
Order / Resolution Number:	R4-1992-0045
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/20/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/01/2003
ACL Issuance Date:	07/20/1992
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLC R4-1992-0045 - Southwest Marine, Inc.
Description:	DISCHARGE OF OILY WASTEWATER TO LOS ANGELES HARBOR.
Program:	NPDESWW
Latest Milestone Completion Date:	2003-12-01
# Of Programs1:	1
Total Assessment Amount:	10000
Initial Assessed Amount:	0
Liability $ Amount:	10000
Project $ Amount:	0
Liability $ Paid:	10000
Project $ Completed:	0
Total $ Paid/Completed Amount:	10000

Region:	4
Facility Id:	261745
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.734566999999
Place Longitude:	-118.2695460000
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.21299999
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Miscellaneous
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	Not reported
# Of Programs:	1
WDID:	4B192017002
Reg Measure Id:	135762
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	95-143
Npdes# CA#:	CA0000868
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	10/30/1995
Effective Date:	10/30/1995
Expiration/Review Date:	10/10/2000
Termination Date:	01/29/2003
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236858
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	06/13/2001
Adoption/Issuance Date:	06/13/2001
Achieve Date:	Not reported

SOUTHWEST MARINE INC (Continued) **1000411013**

Termination Date:	07/13/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV - Southwest Marine, Inc. (06/13/01)
Description:	Notice of Violation sent 6/13/01 for 64 overdue DMRs.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	4
Facility Id:	261745
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.734566999999
Place Longitude:	-118.2695460000
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.21299999
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Miscellaneous
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	Not reported
# Of Programs:	1
WDID:	4B192017002
Reg Measure Id:	131637
Reg Measure Type:	NPDES Permits
Region:	4

SOUTHWEST MARINE INC (Continued) **1000411013**

Order #:	R4-2003-0023
Npdes# CA#:	CA0000868
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/01/2005
Effective Date:	01/30/2003
Expiration/Review Date:	12/10/2007
Termination Date:	06/01/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	254761
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	02/02/2005
Adoption/Issuance Date:	02/02/2005
Achieve Date:	Not reported
Termination Date:	03/02/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV - Southwest Marine, Inc. (02/02/05)
Description:	NOV sent 02/02/05 for overdue 3Q04 DMR.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907310243

CIWQS:

Agency:	BAE Systems San Diego Ship Repair Inc
Agency Address:	Po Box 13308, San Diego, CA 92170-0308

SOUTHWEST MARINE INC (Continued) **1000411013**

Place/Project Type:	Other
SIC/NAICS:	3731
Region:	4
Program:	NPDESWW
Regulatory Measure Status:	Historical
Regulatory Measure Type:	NPDES Permit
Order Number:	R4-2003-0023
WDID:	4B192017002
NPDES Number:	CA0000868
Adoption Date:	01/30/2003
Effective Date:	01/30/2003
Termination Date:	06/01/2005
Expiration/Review Date:	12/10/2007
Design Flow:	0.213
Major/Minor:	Minor
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.734567
Longitude:	-118.269546

44
SW
1/2-1
0.938 mi.
4954 ft.

CABRILLO ELEMENTARY SCHOOL-PLYGRD ADD. **ENVIROSTOR** **S107735978**
732 SOUTH CABRILLO **SCH** **N/A**
LOS ANGELES, CA 90731

Relative:
Higher

Actual:
122 ft.

ENVIROSTOR:

Facility ID:	19750091
Status:	Inactive - Needs Evaluation
Status Date:	02/07/2002
Site Code:	304297
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	0.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	70
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.73669
Longitude:	-118.2929
APN:	7454006900
Past Use:	VEHICLE MAINTENANCE
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CABRILLO ELEMENTARY SCHOOL PLAYGROUND
Alias Type:	Alternate Name
Alias Name:	LAUSD-CABRILLO ES PLAYGROUND ADDITION

CABRILLO ELEMENTARY SCHOOL-PLYGRD ADD. (Continued) **S107735978**

Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 7454006900
Alias Type: APN
Alias Name: 304297
Alias Type: Project Code (Site Code)
Alias Name: 19750091
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/03/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/07/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 19750091
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304297
Assembly: 70
Senate: 35
Special Program Status: Not reported

CABRILLO ELEMENTARY SCHOOL-PLYGRD ADD. (Continued) **S107735978**

Status:	Inactive - Needs Evaluation
Status Date:	02/07/2002
Restricted Use:	NO
Funding:	School District
Latitude:	33.73669
Longitude:	-118.2929
APN:	7454006900
Past Use:	VEHICLE MAINTENANCE
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CABRILLO ELEMENTARY SCHOOL PLAYGROUND
Alias Type:	Alternate Name
Alias Name:	LAUSD-CABRILLO ES PLAYGROUND ADDITION
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	7454006900
Alias Type:	APN
Alias Name:	304297
Alias Type:	Project Code (Site Code)
Alias Name:	19750091
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	06/03/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	02/07/2002
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 12 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	1003878477	TED HAMMETT	E OF ALAMEDA N OF SEPULVEDA	90744	SEMS-ARCHIVE
LONG BEACH	1015757253	LONG BEACH NAVAL SHIPYARD	CODE 410 TERMINAL ISLAND	90822	CORRACTS, RCRA-TSDF, RCRA-LQ(2020 COR ACTION, PADS
PORT OF LONG BEACH	S122853932	LINE 79 RELEASE	PIER B STREET AND HARBOR AVENU	90744	CPS-SLIC
SAN PEDRO	S102439851	UNOCAL #0692 MARINE FACILITY	78 BERTH	90731	LUST
SAN PEDRO	1003878948	H-10 WATER TAXI	BERTH 84 LA HARBOR MAIN CHANNE	90731	SEMS-ARCHIVE
SAN PEDRO	1003878475	LOS ANGELES HARBOR BERTH 115	HARBOR BLVD	90732	SEMS-ARCHIVE, ENVIROSTOR
SAN PEDRO	1004654692	FORT MACARTHUR	PACIFIC AVE	90731	SEMS-ARCHIVE
WILMINGTON	S101480664	UNION OIL CO OF CA LA MARINE TERMI	BERTH 150 PIER A ST (BERTHS 14	90744	ENVIROSTOR
WILMINGTON	S106387096	ACTA SOUTH - PCH GRADE SEPARATION	PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	S106483368	ACTA PARCEL PCH-1542	1828, 1830 PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	1015732839	SHELL OIL CO WILMINGTON REF	1622 SEPULVEDA	90744	SEMS-ARCHIVE
WILMINGTON	S105721836	ACTA SOUTH - MAINTENANCE YARD	SOUTHERN PACIFIC	90744	CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 79

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/08/2018
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/18/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/29/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 48

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Quarterly

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/01/2018
Number of Days to Update: 32

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/08/2018
Number of Days to Update: 26

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 57

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/28/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/04/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/05/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 92
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/03/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 80

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 09/11/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/07/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 30

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/18/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 39
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/24/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/01/2018
Number of Days to Update: 32

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 25

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/28/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/03/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/06/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/02/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 14

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 13

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 08/30/2018
Number of Days to Update: 44

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 43

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 49

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/23/2018
Date Data Arrived at EDR: 08/24/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 25

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 59

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/18/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 37

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 63

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/30/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 57

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 07/18/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 08/27/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 36

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/06/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 27

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 42

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 61

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/17/2018
Date Data Arrived at EDR: 09/18/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 15

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 59

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 16

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 36

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 40

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 30

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/19/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/03/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 09/13/2018
Date Data Arrived at EDR: 09/14/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 5

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 41

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 29

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/04/2018
Number of Days to Update: 22

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/20/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 9

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 31

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LABOE BEACON ST SAN PEDRO
515 N BEACON ST
SAN PEDRO, CA 90731

TARGET PROPERTY COORDINATES

Latitude (North):	33.747188 - 33° 44' 49.88"
Longitude (West):	118.280754 - 118° 16' 50.71"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	381369.4
UTM Y (Meters):	3734668.2
Elevation:	22 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640434 SAN PEDRO, CA
Version Date:	2012
North Map:	5633779 TORRANCE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

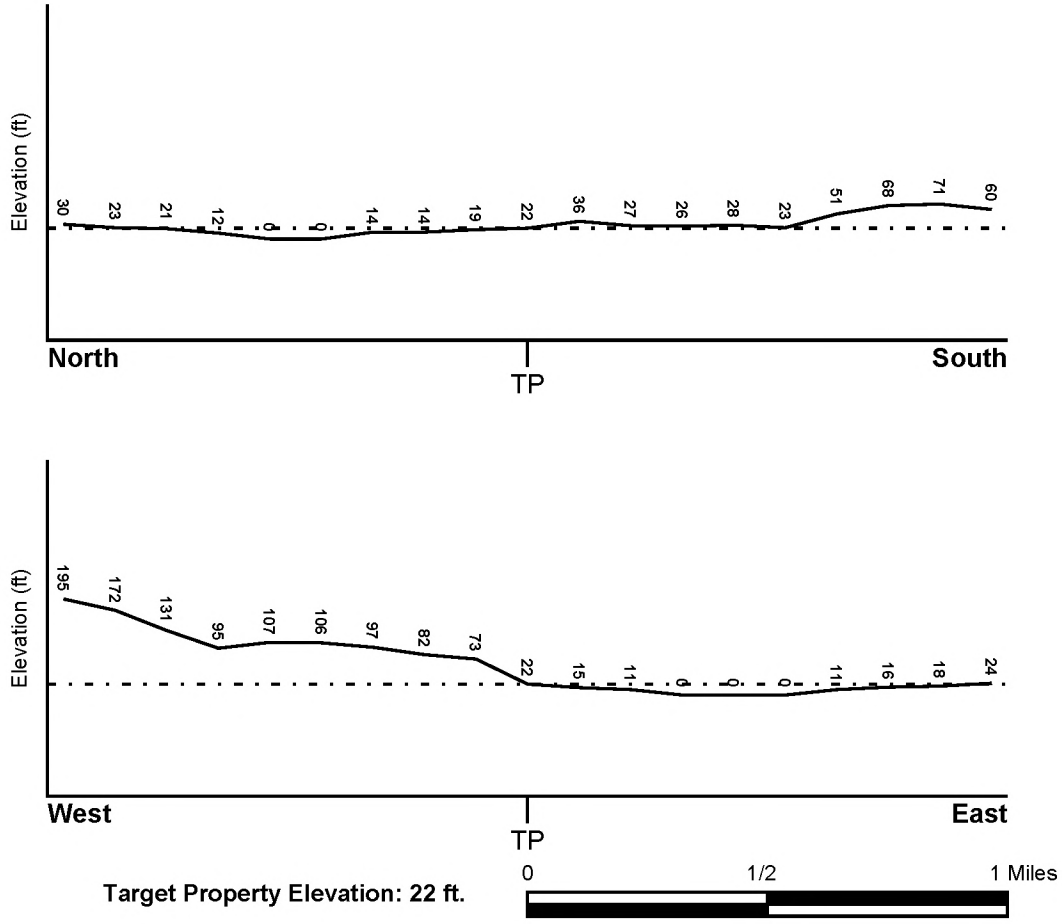
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C2032F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1945F	FEMA FIRM Flood data
06037C2031F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAN PEDRO	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile West
Site Name:	Plaza Automotive Center
Site EPA ID Number:	CAD982403370
Groundwater Flow Direction:	SE TOWARD THE PACIFIC OCEAN.
Inferred Depth to Water:	10 to 50 feet.
Hydraulic Connection:	The near-surface semi-perched aquifer is underlain by the Bellflower aquiclude.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/2 - 1 Mile WSW	Not Reported
1G	1/2 - 1 Mile WSW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

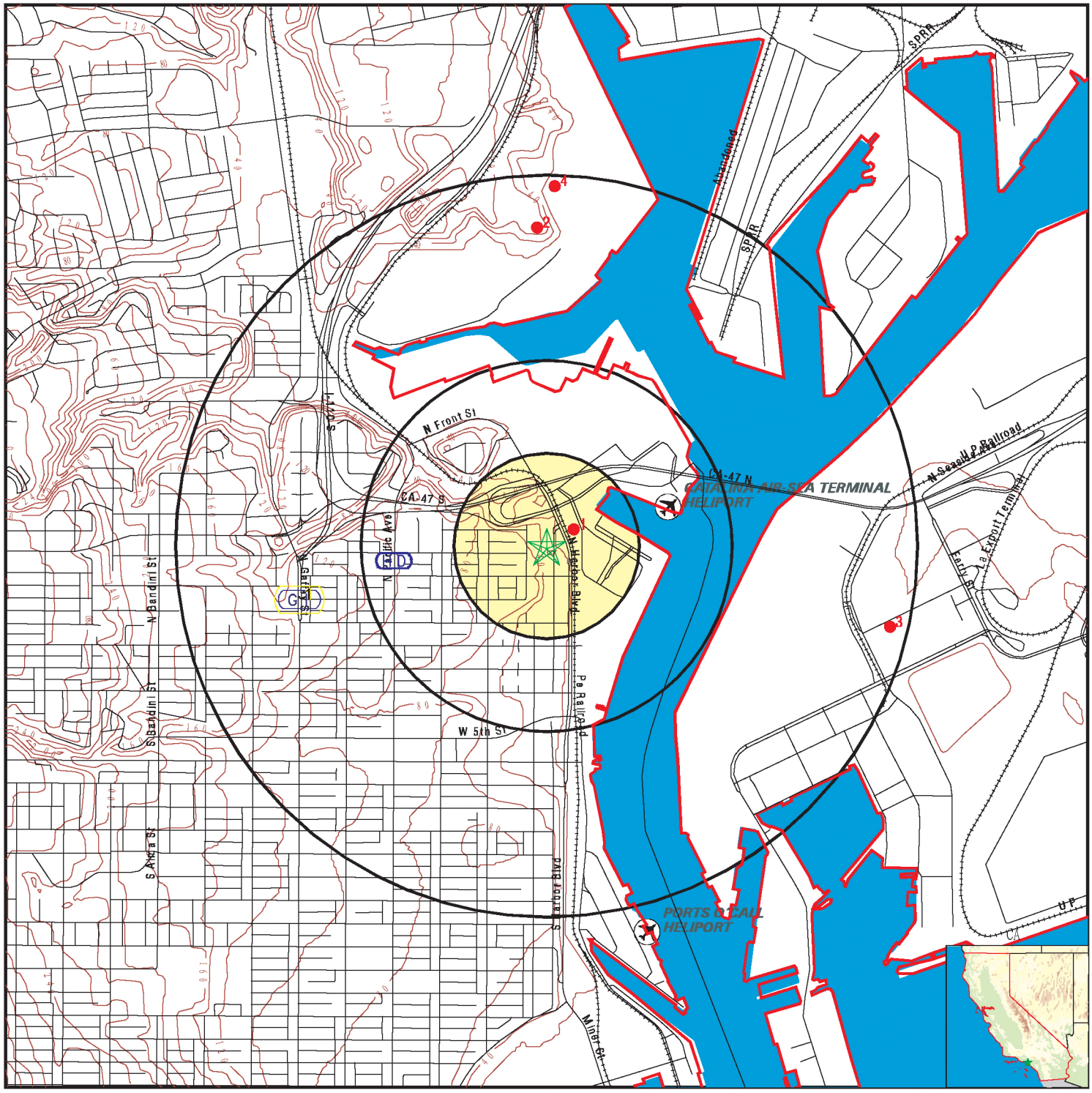
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000204469	0 - 1/8 Mile ENE
2	CAOG11000204703	1/2 - 1 Mile North
3	CAOG11000299311	1/2 - 1 Mile ESE
4	CAOG11000204704	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 5450134.2s


SPRR
Abandoned
SP RR
N Front St
CA-47 S
CA-47 N
CATALINA AIR-SEA TERMINAL
HELIPORT
N Seaside Ave
N Seaside Railroad
La Export Terminal
Ferry St
N Gaffey St
S Gaffey St
N Bandini St
S Bandini St
S Anda St
N Harbor Blvd
Pacific Ave
Pacific Ave
Pacific Ave

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **WSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	907310089 Not Reported 29.76 30.65 Not Reported 05/13/1993	**AQUIFLOW**	**55261**
1G **WSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	907310089 Not Reported 29.76 30.65 Not Reported 05/13/1993	**AQUIFLOW**	**55261**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
ENE
0 - 1/8 Mile

OIL_GAS **CAOG11000204469**

Districtnu:	1	Apinumber:	03705132
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	B
Operatorna:	Apex Petroleum Corporation, Ltd.	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	7	Township:	05S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Hards-Warnock	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204469		

2
North
1/2 - 1 Mile

OIL_GAS **CAOG11000204703**

Districtnu:	1	Apinumber:	03705479
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Hogan Petroleum Company	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	7	Township:	05S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Burkhard	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204703		

3
ESE
1/2 - 1 Mile

OIL_GAS **CAOG11000299311**

Districtnu:	1	Apinumber:	23730160
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	N
Operatorna:	City of Los Angeles	Countyname:	Los Angeles Offshore
Fieldname:	Any Field	Areaname:	Any Area
Section:	8	Township:	05S
Range:	13W	Basemeridi:	SB
Elevation:	31' KB		
Locationde:	Well 346' east and 48' south at right angles to said line from the northwest of property Earle & Pichard. KB=21'		

Gissourcec:	sum	Comments:	Not Reported
Leasename:	DOE	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	27-FEB-14
Welldeptha:	7650	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000299311		

4
North
1/2 - 1 Mile

OIL_GAS **CAOG11000204704**

Districtnu:	1	Apinumber:	03705480
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Hogan Petroleum Company	Countyname:	Los Angeles
Fieldname:	Any Field	Areaname:	Any Area
Section:	6	Township:	05S
Range:	13W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Burkhard	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204704		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90731	51	5

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Appendix E Qualifications of Environmental Professional

JESSICA HIMEBAUCH

SENIOR GEOLOGIST
LA METRO REGION

AREAS OF EXPERTISE

Phase I and II Environmental Site Assessments/Project Management

Technical Review/Quality Control

EDUCATION

BS, Geological Sciences, University of Southern California

YEARS OF EXPERIENCE

With Firm	23
With Other Firms	0

SUMMARY

Ms. Himebauch has over 23 years of environmental due diligence experience working for clients in the government and private sector. As an environmental due diligence consultant, Jessica's experience encompasses project management, report preparation, technical editing, quality control, and client interaction. She has worked with various regulatory agencies including the Regional Water Quality Control Board, the Department of Toxic Substances Control, local fire departments, and various city and county departments. A summary of past selected work experience is provided below.

EXPERIENCE

Due Diligence, Northern & Southern California, Multiple Projects, City and County of Los Angeles, Cornerstone Real Estate Advisers LLC, Lincoln Property Company, Regency Centers, MetLife Real Estate Investments, Bixby Land Company, Pacific Harbor Line, and other private real estate investment/management firms. Senior Geologist providing project management, client interaction, reviewing and assisting with Phase I ESA report writing for various projects including industrial, manufacturing, agricultural, health care, commercial, and retail properties.

Hazardous Materials Lead Technical Resource, City of Los Angeles Department of Public Works, Bureau of Engineering, Homeless Bridge Housing Project in the City of Los Angeles, CA. Prepared hazardous materials technical memorandums and environmental site assessment reports in support of the Los Angeles City Mayor's Homeless Bridge Housing Project throughout the City's council districts.

Due Diligence, City of Irvine and Tierra Verde Industries at Orange County Great Park, Irvine, CA. Prepared Phase I ESA reports for City-leased property at the Orange County Great Park (former Marine Corps Air Station El Toro) to meet City of Irvine lease requirements.

Caltrans Initial Site Assessment; Long Beach Freeway (I-710) Corridor, Los Angeles County, CA; Los Angeles County Metropolitan Transportation Authority (Metro) and Partner Agencies. Managed and conducted a California Department of Transportation (Caltrans) Initial Site Assessment (ISA) for the properties associated with the proposed Long Beach Freeway (I-710) Corridor Project, which project involved 19 miles of I-710 between Long Beach and State Route 60 (SR-60). Purpose of the ISA was to evaluate the potential presence of hazardous materials prior to design and construction within the proposed project so that liability issues could be identified relating to site clean-up and construction impacts.

Caltrans ISA; Colima Road Improvement Project; Los Angeles County, CA; County of Los Angeles Department of Public Works in Cooperation with the City of Industry and Caltrans. Conducted a Caltrans ISA for the Colima Road Improvement Project. The project consisted of Colima Road, extending 4.8 miles from the City of Whittier Boundary through unincorporated Hacienda Heights. Purpose of the ISA was to evaluate the potential for the presence of hazardous materials prior to design and construction within the proposed improvements to Colima Road so that liability issues can be identified relating to site cleanup and

construction impacts.

Caltrans ISA; State Route 47 (SR-47) Interchange Project; City of Los Angeles, CA; Port of Los Angeles in cooperation with the City of Los Angeles and Caltrans. Conducted a Caltrans ISA for the SR-47 Interchange Project. The project included the proposed reconfiguration of the existing interchange at State Route 47/Vincent Thomas Bridge and Harbor Boulevard/Front Street. Purpose of the ISA was to identify sites that have the potential to affect the proposed project with hazardous materials and/or wastes from current and historical environmental conditions.

Principal Investigator and Project Manager, Phase I Environmental Site Assessments throughout the United States; Canada, and Colombia, Major Media and Entertainment Company (Confidential). Scope of work included a standard Phase I and the addition of a limited compliance and environmental health and safety audit of various facilities.

Other Projects include:

Lead Technical Resource of the PEA Program for the Los Angeles Unified School District (LAUSD). Directed the background research efforts for multiple proposed new schools and school additions for LAUSD. Assisted the project director in the preparation of work plans for LAUSD proposed school sites pursuant to California regulatory requirements and attended meetings with regulatory agencies on behalf of the LAUSD.

Assisted with the Palmdale to Burbank Section of the California High Speed (HSR) System, Hazardous Materials and Wastes Technical Report for the California High-Speed Rail Authority and US Department of Transportation (DOT) Federal Railroad Administration including technical review and QA/QC.

Assisted with the Westside Subway Extension Hazardous Materials Technical Report for Metro including report preparation/writing, QA/QC, and technical review.

Managed Phase I Investigations for the Alameda Corridor Transportation Authority (ACTA) including technical review, report preparation/writing, QA/QC, and client correspondence.

Performed environmental assessments for cellular telephone antenna installations for a major cellular operator. Tasks included inspections of numerous buildings, installations, additions, collocations, and vacant land, and asbestos and lead sampling at these facilities throughout Southern California.

Principal Investigator and participant in various Phase II Investigations including soil sampling, groundwater sampling, and soil-vapor sampling through Geoprobe drilling techniques. Activities included review of historical documents, analysis of previous reports, scheduling and overseeing subcontractors, site reconnaissance, preparation of work plans and health and safety plans, regulatory agency interaction, data analysis, and technical report preparation.

ATTACHMENT H. CULTURAL RESOURCES INFORMATION

This page intentionally left blank.

AECOM
300 S Grand Avenue,
Los Angeles, CA 90071
www.aecom.com

213.593.8100 tel
213.593.8053 fax

Memorandum

To	Ms. Heloise Froelich Environmental Management Group Bureau of Engineering, Department of Public Works	Pages 16
Subject	Bridge Housing Project on N. Beacon Street in San Pedro: Cultural, Paleontological, and Tribal Cultural Resources Technical Memorandum	
From	Marc A. Beherec, Ph.D., RPA, AECOM	
Date	November 7, 2018	

Introduction

This technical memorandum describes the potential impact to cultural and tribal cultural resources associated with the Bridge Housing Project on N. Beacon Street in San Pedro (proposed project). The proposed project would be located within a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The Caltrans-owned project site is located at 515 North Beacon Street in the San Pedro community within Council District (CD) 15 in the City of Los Angeles. The addresses that comprise the entire project site include 407, 427, and 437 North Beacon Street. The associated Assessor Parcel No. (APN) is 7449-007-900. The parking lot is located just south of the Interstate 110 (I-110)/Harbor Boulevard interchange and the project site is comprised of a total of approximately 49,500 square feet. The project site is currently utilized as a Park and Ride Lot for Caltrans and is occasionally used as a construction equipment and trailer staging area by both Caltrans and Port of Los Angeles.

The City of Los Angeles would lease the project site from Caltrans for the proposed project. The proposed project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The proposed project would be a temporary facility (3 years) and would be operated by the City through Los Angeles Homeless Services Authority, or another City vendor. The project site and surrounding area are within a highly urbanized and densely populated area of Los Angeles near the Port of Los Angeles.

Due to the paleontological sensitivity of the project vicinity, as part of the proposed project, initial ground disturbance will be monitored for paleontological resources. Monitoring will be conducted by, or under the direction of, a qualified paleontologist. The paleontological monitor will have the authority to redirect construction equipment in the event potential paleontological resources are encountered. In the event paleontological resources are encountered, work in the vicinity of the discovery will halt until appropriate treatment of the resource is determined by a qualified paleontologist (work can continue elsewhere on the project site). If recommended by the project paleontologist, appropriate sediment samples may be collected and analyzed for the presence of microfossils. Testing for microfossils will consist of screen-washing samples of up to approximately 200 pounds to determine if significant fossils are present. If fossils are present, additional matrix samples may be collected, up to approximately 6,000 pounds, to ensure recovery of a scientifically significant sample. If, however, in the course of monitoring the qualified paleontologist determines that, due to past disturbances the project area has a low potential for paleontological resources, monitoring may be reduced or discontinued.

As discussed in this memorandum, the proposed project will have no significant effects related to cultural, historical, archaeological, or tribal cultural resources. With paleontological monitoring included as part of the proposed project, the proposed project will have no significant effects to paleontological resources.

Cultural Setting

As a framework for discussing the types of cultural resources that might be encountered in the vicinity of the proposed project, the following section summarizes our current understanding of major prehistoric and historic developments in and around the Los Angeles Basin and the greater Southern California area.

Prehistoric Overview

The earliest occupation of Southern California may be associated with the peoples who first colonized North America in the terminal Pleistocene and earliest Holocene (Arnold et al. 2004). A key indicator of these early cultures is fluted points, which have been reported at a number of locations in Southern California (Rondeau 2008). Closest to the project area, the Farpoint Site (CA-LAN-451) in Malibu, Los Angeles County, has yielded a fluted point, and its excavator argues the site should be associated with the Clovis culture (Stickel 2008). Clovis is the earliest universally recognized material culture in North America, and dates to approximately 11,500 radiocarbon years before present (B.P.).

However, scholarly consensus holds that the earliest unambiguous evidence of human occupation in the Los Angeles area dates to at least 9000 B.P. and is associated with a period known as the Millingstone Cultural Horizon (Wallace 1955; Warren 1968). Millingstone populations established permanent settlements that were located primarily on the coast and in the vicinity of estuaries, lagoons, lakes, streams, and marshes where a variety of resources, including seeds, fish, shellfish, small mammals, and birds, were exploited. Early Millingstone occupations are typically identified by the presence of handstones (manos) and millingstones (metates), while those Millingstone occupations dating later than 5000 B.P. contain a mortar and pestle complex as well, signifying the exploitation of acorns in the region.

Although many aspects of Millingstone culture persisted, by 3500 B.P., a number of socioeconomic changes occurred (Erlandson 1994; Wallace 1955; Warren 1968). These changes are associated with the period known as the Intermediate Horizon (Wallace 1955). Increasing population size necessitated the intensification of existing terrestrial and marine resources (Erlandson 1994). This was accomplished in part through use of new technological innovations such as the circular shell fishhook on the coast and, in inland areas, use of the mortar and pestle to process an important new vegetal food staple (acorns); and the dart and atlatl, which resulted in a more diverse hunting capability. Evidence for shifts in settlement patterns has been noted as well at a variety of locations at this time and is seen by many researchers as reflecting increasingly territorial and sedentary populations. The Intermediate Horizon marks a period in which specialization in labor emerged, trading networks became an increasingly important means by which both utilitarian and nonutilitarian materials were acquired, and travel routes were extended.

The Late Prehistoric period, spanning from approximately 1500 years B.P. to the Spanish mission era, is the period associated with the florescence of contemporary Native American groups. The group occupying the southern Channel Islands and adjacent mainland areas of Los Angeles and Orange Counties came to be known as the Gabrielino, after Mission San Gabriel. They are reported to have been second only to their Chumash neighbors in terms of population size, regional influence, and degree of sedentism (Bean and Smith 1978). The boundary between these two groups is commonly believed to be in the area by Topanga Canyon, with the Chumash living along the beaches of Malibu up to the area of Paso Robles and the Gabrielino residing along the coast to southern Orange County. The Gabrielino are estimated to have numbered around 5,000 in the pre-contact period (Kroeber 1925). Maps produced by early explorers indicate the existence of at least 40 Gabrielino villages, but as many as 100 may have existed prior to contact with Europeans (Bean and Smith 1978; McCawley 1996; Reid 1939 [1852]).

Of particular note for the general vicinity of the project area is the San Pedro Harbor Site (CA-LAN-283). This site was a large shell midden overlooking San Pedro Harbor. The site was occupied seasonally between approximately 4,000 years B.P. and approximately 1500 A.D.—that is, from approximately the Late Millingstone into the Late Prehistoric. The site was occupied during the spring, when its inhabitants gathered shellfish. During

the summer and winter the site was abandoned, presumably while its inhabitants hunted and gathered seasonal foodstuffs further inland (Butler 1974).

Subsistence during the Late Prehistoric period consisted of hunting, fishing, and gathering. Small terrestrial game was hunted with deadfalls and rabbit drives, and by burning undergrowth, while larger game such as deer were hunted using bows and arrows. Fish were taken by hook and line, nets, traps, spears, and poison (Bean and Smith 1978; Reid 1939 [1852]). The primary plant resources were acorns gathered in the fall and processed with mortars and pestles, and various seeds that were harvested in late spring and summer and ground with manos and metates. The seeds included chia and other sages, various grasses, and Islay or holly-leafed cherry (Reid 1939 [1852]).

Historic Overview

Spanish explorers made brief visits to Gabrielino territory in 1542 and 1602, and on both occasions the two groups exchanged trade items (McCawley 1996). Sustained contact with Europeans did not commence until the Spanish Period, which began in 1769 when Gaspar de Portola and a small Spanish contingent began their exploratory journey along the California coast from San Diego to Monterey.

Gabrielino villages are reported by early explorers to have been most abundant along the dominant rivers of the Los Angeles Basin, including the Los Angeles, San Gabriel, and Santa Ana Rivers. The Palos Verdes Peninsula, on which San Pedro is located, was particularly favored by the Gabrielino due to its protected bays and inlets. The peninsula was also the closest access point to the Channel Islands, and thus may have played an important role in trade between the islands and the mainland. At least nine Gabrielino place names are known to us from the Palos Verdes Peninsula. As McCawley notes, “This represents a greater concentration than is found in any other region of similar extent in the Gabrielino homeland” (McCawley 1996:63). One of these locations, a village named Akavianga, appears to have been located near the former site of the home of Diego Sepulveda (California Historical Landmark No. 380), approximately 0.85 mile northwest of the project area. Other sites were also located in what is today San Pedro. However, the exact locations of these sites are difficult to determine, and none are known to have been located specifically in the project area.

By the early 1800s, the majority of the surviving Gabrielino population had entered the mission system. Mission San Gabriel Arcángel was founded September 8, 1771, and in 1776 moved to its present location, approximately 12.5 miles east of the project vicinity. Mission *San Fernadiño Rey de España* was founded on September 8, 1797, and completed less than a year later. Its location, approximately 14 miles northwest of the project footprint, was chosen as a stopping point between Mission San Gabriel and Mission San Buenaventura, and prospered by selling cattle hides and tallow and various fruit crops to the nearby Pueblo of Los Angeles (Paddison 1999; Wright 1992). The establishment of the Mission was associated with a decline in the traditional Native American economic and social systems, as well as overall population due to epidemics and subsistence instabilities .This lifestyle change brought significant negative consequences for Gabrielino health and cultural integrity (Jackson 1999).

Alongside mission development was the foundation of *El Pueblo de la Reyna de Los Angeles,* a secular community established by colonists in 1781. This community was formed by 11 families that included 44 individuals as part of a colorization effort that eventually became the City of Los Angeles (Poole and Ball 2002). The growth of *El Pueblo de la Reyna de Los Angeles* became established after the Mexican empire gained independence and formed what would become the state of Alta California in 1821. The authority of the California missions gradually declined, culminating with their secularization in 1834. Although the Mexican government directed that each mission’s lands, livestock, and equipment be divided among its converts, the majority of these holdings quickly fell into non-Indigenous hands. Mission buildings were abandoned and quickly fell into decay. If mission life was difficult for Native Americans, secularization was no better. After two generations of dependence on the missions, they were suddenly disenfranchised. After secularization, “nearly all of the Gabrielinos went north while those of San Diego, San Luis, and San Juan overran this county, filling the Angeles and surrounding ranchos with more servants than were required” (Reid 1977 [1851]:104).

The project area is located on what was Rancho San Pedro, one of the earliest Spanish land grants in California. Rancho San Pedro was granted to Juan Jose Dominguez, who had arrived with the Portola expedition, in 1784. The boundaries of the land grant were long in question, and the land grant was the subject of numerous contestations and lawsuits even after it was revised by the Mexican government in 1822. One of Juan Jose Dominguez’s descendants, Diego Sepulveda, built the adobe already mentioned (California Historical Landmark

No. 380) approximately 0.85 mile northwest of the project area in the 1850s, and the large Sepulveda and Dominguez families ranged cattle across the peninsula (Gillingham 1961).

The first party of U.S. immigrants arrived in Los Angeles in 1841, although surreptitious commerce had previously been conducted between Mexican California and residents of the United States and its territories. As the possibility of a takeover of California by the United States loomed large, the Mexican government increased the number of land grants in an effort to keep the land in the hands of upper-class *Californios* like the Dominguez, Lugo, and Sepulveda families (Wilkman and Wilkman 2006:14–17). Governor Pio Pico and his predecessors made more than 600 rancho grants between 1833 and 1846, putting most of the state's lands into private ownership for the first time (Gumprecht 1999).

The United States took control of California after the Mexican–American War of 1846, and seized Monterey, San Francisco, San Diego, and Los Angeles (then the state capital) with little resistance. Local unrest soon bubbled to the surface, however, and Los Angeles slipped from U.S. control in 1847. Hostilities officially ended with the signing of the Treaty of Guadalupe Hidalgo in 1848, in which the United States agreed to pay Mexico $15 million for the conquered territory, which included California, Nevada, and Utah, and parts of Colorado, Arizona, New Mexico, and Wyoming. The conquered territory represented nearly half of Mexico's pre-1846 holdings. California joined the United States in 1850 as the 31st state (Wilkman and Wilkman 2006:15).

The discovery of gold in northern California led to an enormous influx of American citizens in the 1850s and 1860s, and these settlers rapidly displaced the old rancho families. In 1873, the U.S. government confirmed legal title to old Rancho ex-Mission San Fernando at 116,858.43 acres, the largest private land parcel in California. The Southern Pacific Railroad extended its line from San Francisco to Los Angeles in 1876, passing through the San Fernando Valley thanks to a new tunnel through Newhall Pass. Newcomers continued to pour into Los Angeles and the population nearly doubled between 1870 and 1880. The completion of the second transcontinental rail line, the Santa Fe, took place in 1886 causing a fare war, which drove fares to an unprecedented low. More settlers continued to head west and the demand for real estate skyrocketed. The city's population rose from 11,000 in 1880 to 50,000 by 1890 (Meyer 1981:45). The booming population came with a price, a greater need for water in a place dealing with increased droughts. The solution was to bring in water from the Owens Valley to the north. Construction of the Los Angeles Aqueduct began in 1908 and was finished in 1913. This replaced liquid fuel-powered well water pumps located throughout the area (Jorgensen 1982:121).

The beginning of the twentieth century saw the florescence of a uniquely suburban metropolis, where a vast network of residential communities overshadowed city centers, where the single-family home was valued over the high-rise, and where private space took precedence over public space (Hawthorne 2006). This landscape demanded an innovative transportation solution, and Los Angeles embraced automobiles and freeways like no other city had. The first homemade car puttered down city streets in 1897. Seven years later, the first theft of an auto was reported by Los Angeles Police (Wilkman and Wilkman 2006:50). Inexpensive automobiles gained popularity in the 1920s, soon creating tremendous congestion in the centers of cities and necessitating alternate transportation routes. Dozens of freeways were constructed in the post-World War II years, radically altering the character of Los Angeles by simultaneously dividing local neighborhoods and connecting outlying communities.

Archival Research

As part of this cultural resources assessment, an archival research program was conducted. The purpose of this research is to identify known cultural resources in the project area, provide context for the evaluation of cultural resources within this area that are 45 years or older, and inform interpretations regarding the potential to encounter previously unidentified cultural resources in the course of ground-disturbing work associated with the proposed project.

Archival research included a records search at the South Central Coastal Information Center (SCCIC), a review of local cultural resource registers, and review of local and regional historic maps. Supplemental research in published and unpublished sources was also conducted to provide prehistoric and historic contexts for the project area. Finally, the Native American Heritage Commission (NAHC) was contacted in order to request a Sacred Lands File (SLF) search of the project area, and a Native American contact program was conducted to solicit input from regional Native American individuals and organizations.

Archival research of the project site was conducted by AECOM archaeologist Marc A. Beherec, Ph.D., RPA, at the SCCIC housed at California State University, Fullerton on October 17, 2018. The research focused on the identification of previously recorded cultural resources within a 0.25-mile radius of the proposed project footprint. The archival research included review of previously recorded archaeological site records and reports, historic site and property inventories, and historic maps. Inventories of the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), the California State Historic Resources Inventory (HRI), California Historical Landmarks and Points of Interest, and the list of City of Los Angeles Historic-Cultural Monuments (LAHCMs) were also reviewed to identify cultural resources within a 0.25-mile radius of the project area.

Previous Cultural Resources Investigations Reports

The records search revealed that 21 cultural resources investigations were previously conducted within a 0.25-mile radius of the project site (Table 1). None of these studies overlap the project footprint. These studies include cultural resources surveys, site evaluations, monitoring plans, and monitoring reports. In total, none of the project area and approximately 30 percent of the study area have been previously surveyed.

Table 1. Previous Investigations Conducted within 0.25 Mile of the Project Area

Author	Report #	Description	Date
Langenwalter, Paul E., II	LA-00888	Reconnaissance and Evaluation of Archaeological Resources at the Knoll Hill Site, Port of Los Angeles	1977
Dillon, Brian R.	LA-01169	Archaeological Resource Survey and Impact Assessment of Lots 1, 2, 3, 7, 8, & 9, Block 1, Lands of the Pacific Steamship Company	1982
Armstrong, Douglas V., and Robert Rechtman	LA-01212	An Archaeological Resource Survey and Impact Assessment of the Property Located at 533 N. Palos Verdes Street, City of Los Angeles	1983
Langenwalter, Paul E., II	LA-01431	Environmental Impact Report – Knoll Hill Development, Los Angeles Harbor	1977
Anonymous	LA-04130	Los Angeles-Long Beach Harbors Landfill Development and Channel Improvement Studied Cultural Resources Appendix	1984
Pierson, Larry J.	LA-04455	A Cultural Resource Study for the Los Angeles Harbor Deepening Project	1980
Romani, Gwendolyn R.	LA-04968	Archaeological Survey Report: 308-324 N. Palos Verdes Street/201 N. Beacon Street, San Pedro	2000
Romani, Gwendolyn R.	LA-04969	Results of the Extended Phase I Investigation at 308-324 N. Palos Verdes St./210 N. Beacon St., San Pedro, California	2000
Romani, John F.	LA-05331	Archaeological Survey Report for the 07-LA-110 Harbor Freeway Transitway Corridor Project	1982
Anonymous	LA-07031	A Cultural Resources Assessment for the Port of Los Angeles Waterfront Gateway Development Project, City of San Pedro, Los Angeles County, California	2003
Slawson, Dana N., and Alice Hale	LA-07032	Cultural Resources Summary, Port of Los Angeles Berths 97-109, China Shipping Yard	2003
Wood, Catherine M.	LA-08504	Archaeological Survey Report for the Toberman Village Project, 201-218 North Palos Verdes Street, San Pedro, California	2007
Bonner, Wayne H.	LA-10013	Cultural Resource Survey and Revised Records Search Results for Sprint Telecommunications Facility Candidate LA34XC739A (Harbor Blvd.), 305 North Harbor Drive, San Pedro, Los Angeles County, California	2003
Mason, Roger D.	LA-10486	Supplemental Extended Phase I Report for P-19-000283, CA-LAN-283 – John S. Gibson Blvd./Interstate 110 (I-110) Access Ramps and State Route 47 (SR47)/I-110 Connector Improvements, City of Los Angeles, Los Angeles County, California	2010
Mason, Roger D.	LA-10487	Supplemental Archaeological Survey Report for the John S. Gibson Blvd./Interstate 110 (I-110) Access Ramps and State Route 47 (SR47)/I-110 Connector Improvements, City of Los Angeles, Los Angeles County, California	2010

Author	Report #	Description	Date
Shaver, Noelle C.S.	LA-10528	Final: Archaeological Monitoring and Treatment Plan for the Los Angeles Harbor Department, Waterfront Gateway Project, San Pedro, CA	2004
Mason, Roger D.	LA-10999	Archaeological Evaluation Report (Phase II) for P-19-000283, CA-LAN-283, John S. Gibson Boulevard/Interstate 110 (I-110) Access Ramps and State Route 47 (SR47)/I-110 Connector Improvements, City of Los Angeles, Los Angeles County, California	2010
Lee, Portia	LA-11232	San Pedro Waterfront Redevelopment Project, Cultural Resources Technical Report, Historical Built Environment (Architectural Resources)	2008
Anonymous	LA-11410	Cultural Resources Survey Report for the San Pedro Waterfront Project Located in the City of Los Angeles, Los Angeles County, California	2008
Anonymous	LA-11411	San Pedro Waterfront Project Final EIS/EIR	2009
Fernandez, Trish, and Thomas Barrett	LA-11539	San Pedro Waterfront Development Project Historic Property Treatment Plan, Mexican Hollywood, San Pedro, California	2010

Previously Recorded Cultural Resources

The SCCIC records search identified seven previously recorded cultural resources mapped within 0.25 mile of the project area (Table 2). Three of the resources are buildings, two are sculptures, and two are archaeological sites. None of the resources enter into the project area or footprint itself.

Table 2. Previously Recorded Cultural Resource Sites within 0.25 Mile of the Project Area

Primary Number (P-19-)	Historic Name/Description	Time Period	Eligibility Evaluation
000146	Shell "refuse heap"	Prehistoric	Not Evaluated
003801	Refuse deposits, cesspool, and brick surface associated with the Mexican Hollywood neighborhood	Historic (ca. 1920s–1952)	Not Evaluated
188237	Rancho San Pedro Housing Project	Historic (1942)	Appears eligible for listing in NRHP through survey evaluation
190104	Distribution Station #3, Department of Water and Power	Historic (1923)	Found ineligible for listing in NRHP, CRHR, or local listing through survey evaluation
19106	Los Angeles Cruise Terminal	Historic (1963)	Appears eligible for listing in NRHP through survey evaluation
192286	Fanfare Fountain	Contemporary (2008)	Found ineligible for listing in NRHP, CRHR, or local listing through survey evaluation
192288	Multicultural Man Sculpture	Contemporary (2008)	Found ineligible for listing in NRHP, CRHR, or local listing through survey

The two documented archaeological sites include one site documented as a prehistoric archaeological site (but which may be a natural deposit) and one site that is historic in age.

P-19-000146 was recorded by N.C. Nelson in 1912 as a "refuse heap" in a small ravine near Wilmington Lagoon. Nelson observed a variety of bivalve shells, including pectin, abalone, oyster, and clam, spread over an area measuring approximately 75 feet by 150 feet and that "in places is fully 3 feet deep" (Nelson 1912). Nelson recorded no artifacts at the site. In 1977, the site location was revisited by Paul Langenwalter. Langenwalter failed to relocate the site, which he noted was totally destroyed by grading. However, he also noted that the site location is identical to Natural History Museum of Los Angeles County paleontological Locality 187, and suggested that the site was a non-cultural Pleistocene shell deposit within the Palos Verdes Sand Formation and not an archaeological site (Langenwalter 1977).

Site P-19-003801 is a historic-in-age archaeological site east of Harbor Boulevard between the intersections of Swinford Street and O'Farrell Street. The site is associated with a neighborhood once known as "Mexican Hollywood," which stood in the area bounded by North Harbor Boulevard in the west, East Bonita Street in the north, North Front Street in the northeast and north, and East Santa Cruz in the south. The neighborhood was constructed in the 1920s and razed in 1952. Fifteen features and 13 artifact loci associated with the neighborhood were documented during archaeological monitoring between 2005 and 2008, including a probable cesspool, an unidentified wooden feature, refuse deposits, and a brick surface that may have been a patio (DeGiovine 2008).

California State Historic Resources Inventory

Study of the California Office of Historic Preservation's HRI focused on properties within 0.25-mile of the project area that faced streets bordering the project area, including North Beacon Street, West O'Farrell Street, and North Palos Verdes Street. No properties are listed in the HRI on these three streets within 0.25 mile of the project area.

California Historical Landmarks

California Historical Landmarks are buildings, structures, sites, or places that have been determined to have statewide historical interest. A search of the California Historical Landmarks list revealed no California Historic Landmarks within 0.25 mile of the project area.

Los Angeles Historic-Cultural Monuments

LAHCMs are sites in Los Angeles that have been designated by the Los Angeles Cultural Heritage Commission. A search of the LAHCMs found no monuments within 0.25 mile of the project area.

Historic Maps and Aerial Photographs

Historic map research was conducted to understand past land use and disturbance and to identify possible locations of archaeological sensitivity within the project area. General Land Office (GLO), U.S. Geological Survey (USGS), Sanborn Fire Insurance, and Baist Real Estate maps were consulted.

The earliest maps of the project area consist of GLO maps of Township 5 South, Range 13 West, held at the SCCIC. The SCCIC holds three GLO maps that depict the area as reflected by surveys conducted between 1853 and 1890. These show the project area beside a narrow strait separating the mainland from Terminal Island. Terminal Island is shown, but not named. North of the straight is the Inner Bay of San Pedro; south is the Pacific Ocean. The straight is labeled "La Goleta." Smith Island, most of which is underwater at high tide, is sometimes shown a short distance east of the project area, but the island does not appear in all of the GLO maps.

The earliest USGS topographic map, the San Pedro USGS 1:62500 map, shows the project area on the slope of a prominence overlooking a marshy estuary. Just offshore is Smith Island.

The project area is not shown in the 1908 San Pedro Sanborn map, which cuts off at North Palos Verdes Street. The area was likely undeveloped at this time.

In the 1910 Baist Real Estate Atlas, Beacon Street is laid out and the project area is shown subdivided, but no buildings stand on any of the lots. Bonita Street cuts east-west north of the project area, and Senator Street

extends northeast-southwest north of the project area. It is unclear whether these streets were ever actually graded, or if they exist merely on paper.

Much the same situation exists in the 1914 map, except Harbor Boulevard has been extended east of the project area and a brick building stands beside it, east of Beacon Street. The tract is labeled Pacific Coast Steamship Co. Tract in this map. By this point, the Port of Los Angeles has been constructed, sculpting the shoreline east of the project area, and commercial buildings associated with the port stand on the flats below the project area. In the 1921 Baist map, the project area remains undeveloped, but the area north of Bonita Street has been subdivided further into undeveloped lots.

In the 1921 and 1950 Sanborn maps, the project area is subdivided but no structures stand upon it. What is labeled elsewhere as Bonita Street is called Dreifus in these maps (Sanborn 1921: Vol 19, Sheet 1990; Sanborn 1950: Vol. 19, Sheet 1990).

By the time of the 1923 and 1925 Wilmington 1:24000 USGS topographic maps, commercial facilities associated with the port are located on the flat below the project area, and most of the San Pedro area has been developed. The project area appears to remain undeveloped, probably because of the land's slope. By the time of the 1951 San Pedro 1:24000 topographic map, Beacon Street has been laid out east along the eastern boundary of the Project area, but individual structures are not shown in this map.

A 1952 aerial photograph of the project area shows that the area has been graded, but no buildings stand on it (NETR 2018).

Despite this lack of evidence from map research, it should be noted that building permits at the Department of Building and Safety indicate that buildings may have stood in the project area as early as 1917. A 1959 building permit includes a sketch map that indicates that, by the late 1950s, the project area had been graded. One trapezoidal-shaped building stood in the project area, and three more stood on the lots north of the project area. Most of the project area was occupied by parking lots (Plate 1). These buildings were owned by E. K. Wood Lumber & Supply Co. (Los Angeles Department of Building and Safety 1959). Aerial photographs show all the buildings in 1963, 1972, and 1980, but by 1994 all four had been demolished (NETR 2018).

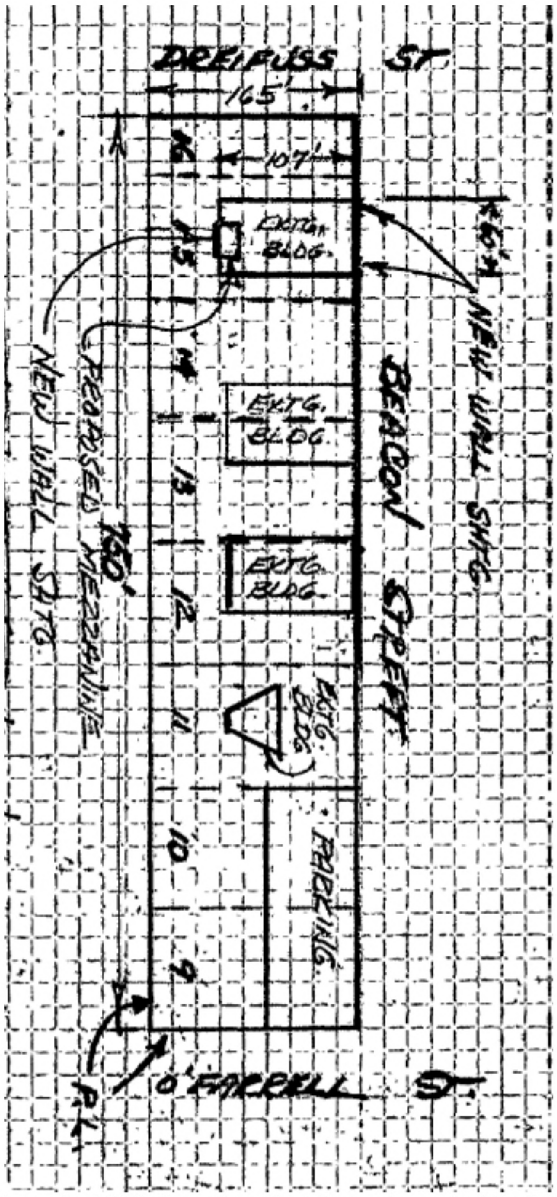


Plate 1: The Project Area in 1959 (Los Angeles Department of Building and Safety 1959)

Native American Contact Program

As part of this investigation, an SLF search of the project area and vicinity was requested from the NAHC. A letter was prepared and mailed to the NAHC on October 11, 2018. The letter requested that an SLF check be conducted for the proposed project and that contact information be provided for Native American groups or individuals that may have concerns about cultural resources in the project site. The NAHC responded with a letter dated October 29, 2018. The letter stated that an SLF search had been conducted with negative results and included a list of tribes culturally affiliated with the project area who may have information about the project area. Representatives for these tribes were contacted with letters dated October 18, 2018, or October 31, 2018, that contained information regarding the project and its geographical location; those who did not respond to the letter were subsequently contacted by phone. The purpose of the SLF check and Native American contact was to identify Native American sacred sites and potential tribal cultural resources located within the project vicinity. The results of the SLF search and Native American contact are included in confidential Attachment 2.

Paleontological Research

The project area is mapped as having surficial deposits of Palos Verdes Sand. Either side of the project area is mapped as older Quaternary alluvium, which overlies the Palos Verdes Sand in some areas. The Palos Verdes Sand tends to be a thin layer (generally about 10 feet thick). Palos Verdes Sand overlies Timms Point Silt and Lomita Marl. All of these formations date to the Pleistocene epoch, and they are all known to contain abundant marine mollusk fossils and microfossils as well as some vertebrate fossils (Dibblee et al. 1999; Yerkes et al. 1965).

Older Quaternary alluvium consists of stream deposits laid down in the late Pleistocene (ending approximately 11,700 years ago). These deposits are known for their terrestrial vertebrate fossils, including fossils of extinct megafauna such as mammoth, mastodon, giant sloth, bison, and horse.

The Palos Verdes Sand is an important Pleistocene formation. It was initially described as the "upper San Pedro series," and the type site was described as near the lumber yards in northern San Pedro; that is, in the vicinity of the project area (Arnold and Arnold 1902; Arnold 1903). Unlike older Quaternary alluvium, it is a marine deposit. The deposit varies in thickness from a few inches to up to 15 feet, but in general is less than 10 feet thick. The deposit generally consists of coarse-grained sand and gravel, but can include silty sand and silt. Fossils of *Macoma*, a genus of saltwater clam, have been observed in the San Pedro Sand west of Beacon Street and north of O'Farrell, that is, in the project area itself (Woodring et al. 1946:57). Elsewhere, marine fish and land vertebrate fossils have been recovered from the Palos Verdes Sand (Long 1993).

Timms Point Silt is a yellowish-gray to gray sandy siltstone. The formation dates to the Middle Pleistocene, ranging approximately 500,000 to 200,000 years in age, and includes offshore cool water vertebrate and invertebrate species (Natural History Museum of Los Angeles County n.d.b).

Lomita Marl is a gray-white marl and calcareous fine-grained sandstone or siltstone. In places, its base is formed of gravel formed from Miocene shale deposits and limestone. The Lomita Marl contains both shallow water and offshore fossil assemblages, including both cool water and warm water species (Natural History Museum of Los Angeles County n.d.a).

Surviving deposits of Palos Verdes Sand, Timms Point Silt, and Lomita Marl have added importance in that, although all of these formations were once widely accessible on the surface, most of these formations are relatively thin and the deposits exposed at the surface have been destroyed by development.

Archaeological and Paleontological Survey

An archaeological and paleontological field survey of the project area was conducted on October 17, 2018, by AECOM archaeologist Marc A. Beherec, Ph.D., RPA. Dr. Beherec meets the Secretary of the Interior's Professional Qualification Standards in Archaeology. Usually, a pedestrian transect survey of 15 meters or less is performed; however, due to the lack of soil visibility because of pavement development, all exposed soil within the project area was surveyed. The purpose of the survey was to identify and record cultural resources that are at least 45 years old and evaluate any discovered resources for historical significance based on criteria for listing in the CRHR, as well as to identify potentially fossiliferous deposits within the project area.

Throughout the surveyed areas, the soil is predominantly a light tan to yellow-brown, fine-grained silty sand. Approximately 95 percent of the project area, where covered in asphalt, has no soil visibility. Previous ground disturbance encompasses 100 percent of the project area due to parking lot construction and landscaping. An examination of the topography confirms the map research, indicating that most of the project area was cut away during the twentieth century. Just west of the project area is an approximately 50-foot-high artificial cliff face. The cut bank is supported by retaining walls and vegetation that largely obscure it, including a large retaining wall currently under construction that, when complete, will probably obscure the entire cut bank. Less sediment was removed from the eastern fringe of the project area, and the project area along Beacon Street appears to approximate the original grade.

In the course of the field survey, no archaeological or historical resources meeting the age criterion of 45 years or more were identified.

However, the potentially fossiliferous formations mapped within the project area were observed during the survey. Although the artificial cliff face just outside the project area was largely obscured by vegetation and retaining walls and could not be closely examined due to safety concerns, the yellow-brown Palos Verdes Sand was observed at the top of the cut. The upper approximately 40 feet of the cut bank consisted of silt and sandy silt, which may consist of either the Palos Verdes Sand formation or the Timms Point Silt formation or both. Finally, a gray-white marl was visible in limited exposures at the base of the cut bank, apparently the Lomita Marl (Plate 2).



Plate 2: Cut Bank West of Project Area

Shells and shell fragments were also observed. Shells were observed at a distance tumbling down the cut bank, although they could not be closely examined. Shells were also observed in the planter in the south-central part of the project area, where the sediment consists of yellow-brown sandy silt. Although the shells were lying on the surface and may not have been in their original locations, the sediment may be intact Palos Verdes Sand deposits. More shells were observed on the unpaved slope outside to the north of the project area. These shells were not in their original locations, and soil was stockpiled in this location from the cut slope. However, the observed shells and shell fragments hint at potentially intact fossil deposits within the project area.

Recommendations & Conclusions

The following section presents recommendations for further action regarding paleontological, archaeological, and potential tribal cultural resources within the project area. These recommendations are based on information collected from archival research, which examined records kept at the SCCIC, local cultural resource listings, historic maps, contemporary archaeological literature, local prehistoric land use patterns and resource availability, information provided by Native American representatives, geological publications, and the results of the field survey. All of these investigations and resource documentation serve to inform the recommendations provided for cultural resources in the project area.

Based on the investigations and resource documentation listed above, it has been determined that no historical resources existing within the project site and footprint. The proposed project would have no significant effects related to historical resources.

The sensitivity of the proposed project to encounter significant fossil remains appears moderate to high. The paleontological records search indicates that surficial deposits of Palos Verdes Sand existed in the project area. These deposits yielded fossils within the project area in the first half of the twentieth century. Immediately below the Palos Verdes Sand, depending on the depositional environment, is either Timms Point Silt or Lomita Marl,

both of which are also fossiliferous Pleistocene formations. Past grading activities within the project area removed overlying soil and much of the Palos Verdes Sand. However, intact Palos Verdes Sand appears to exist in the eastern part of the project area. The removal of the Palos Verdes Sand in the western part of the project area exposed underlying fossiliferous deposits, possibly including the Timms Point Silt and the Lomita Marl. The formations are most likely sealed beneath pavement and preserved within the project area.

As previously mentioned, as part of the proposed project, initial ground disturbance will be monitored for paleontological resources. Monitoring will be conducted by, or under the direction of, a qualified paleontologist. The paleontological monitor will have the authority to redirect construction equipment in the event potential paleontological resources are encountered. In the event paleontological resources are encountered, work in the vicinity of the discovery will halt until appropriate treatment of the resource is determined by a qualified paleontologist (work can continue elsewhere on the project site). If recommended by the project paleontologist, appropriate sediment samples may be collected and analyzed for the presence of microfossils. Testing for microfossils will consist of screen-washing samples of up to approximately 200 pounds to determine if significant fossils are present. If fossils are present, additional matrix samples may be collected, up to approximately 6,000 pounds, to ensure recovery of a scientifically significant sample. If, however, in the course of monitoring the qualified paleontologist determines that, due to past disturbances the project area has a low potential for paleontological resources, monitoring may be reduced or discontinued. With the paleontological monitoring included as part of the proposed project, the proposed project would have no significant effects related to paleontological resources.

Based on the results of the archival research and survey, it is possible, but unlikely, that significant archaeological resources will be encountered during ground-disturbing activities for the proposed project. The site is located within a heavily disturbed urban area. Due to its sloping topography, the subject parcels were graded in the middle twentieth century by cutting the hillside down to the level of Beacon Street. The process likely destroyed any cultural remains that may have existed at the site at that time. Based on the results of the archival research and cultural resources survey, there is low potential that archaeological resources will be encountered during ground-disturbing activities for the proposed project. Therefore, no further work is recommended at this time. If archaeological resources are encountered during ground-disturbing activities, the Los Angeles Bureau of Engineering will contact a qualified archaeologist to evaluate and determine appropriate treatment for the resource in accordance with Public Resources Code (PRC) Section 21083.2(i). The proposed project would have no significant effects related to archaeological resources.

The sensitivity of the project area for tribal cultural resources appears low. The NAHC conducted an SLF search, which was negative. The Native American contact program is detailed in Attachment 2. No potential tribal cultural resources were identified during the archival research or the field survey, and any prehistoric archaeological remains were likely destroyed in the middle twentieth century for the reasons described in the paragraph above. However, if any Native American cultural material is encountered within the project site, interested Native American parties established in the contact program or through consultation with the lead agency will be notified. The City should determine during consultation if the resources constitute tribal cultural resources and solicit any comments the Native American parties may have regarding appropriate treatment and disposition of the resources. The proposed project would have no significant effects related to tribal cultural resources.

If human remains are discovered, work in the immediate vicinity of the discovery will be suspended and the Los Angeles County Coroner contacted. If the remains are deemed Native American in origin, the Coroner will contact the NAHC and identify a Most Likely Descendant pursuant to PRC Section 5097.98 and California Code of Regulations Section 15064.5. Work may be resumed at the landowner's discretion but will only commence after consultation and treatment have been concluded. Work may continue on other parts of the project site while consultation and treatment are conducted. The proposed project would have no significant effects related to human remains.

Prepared by



Marc A. Beherec, Ph.D., RPA
Archaeologist

Attachment 1 – Project Area Maps
Attachment 2 – Sacred Lands File Search and Native American Contact Program

References

Arnold, Delos, and Ralph Arnold
1902 The Marine Pliocene and Pleistocene Stratigraphy of the Coast of Southern California. *The Journal of Geology* 10(2): 117-138.

Arnold, Jeanne E., Michael Walsh, and Sandra E. Hollimon
2004 The Archaeology of California. *Journal of Archaeological Research* 12(1): 1–73.

Arnold, Ralph
1903 The Paleontology and Stratigraphy of the Marine Pliocene and Pleistocene of San Pedro, California. *Memoirs of the California Academy of Sciences,* Volume 3.

Baist, G.W.
1910 *Baist Real Estate Atlas Surveys of Los Angeles, California.* G.W. Baist, Philadelphia.

1914 *Baist Real Estate Atlas Surveys of Los Angeles, California.* G.W. Baist, Philadelphia.

1921 *Baist Real Estate Atlas Surveys of Los Angeles, California.* G.W. Baist, Philadelphia.

Bean, Lowell John, and Charles R. Smith
1978 *Gabrielino*. In *Handbook of North American Indians*, Vol. 9, pp. 538–562. Robert F. Heizer, editor. Smithsonian Institution, Washington, D.C.

Butler, William B.
1974 The San Pedro Harbor Site: A Preliminary Subsistence Village on the Southern California Coast. *Pacific Coast Archaeological Society Quarterly* 10(3/4): 1-79.

DeGiovine, Michael M.
2008 Department of Parks and Recreation Site Forms, P-19-003801. Document on file, South Central Coastal Information Center.

Dibblee, T. W., H. E. Ehrenspeck, P. L. Ehling, and W. L. Bartlett 1999 *Geologic Map of the Palos Verdes Peninsula and Vicinity, Redondo Beach, Torrance, and San Pedro Quadrangles, Los Angeles County, California.* 1:24000 scale map. Camarillo, CA: Dibblee Geological Foundation.

Erlandson, Jon M.
1994 *Early Hunter-Gatherers of the California Coast*. Plenum Press, New York.

Gillingham, Robert Cameron
1961 *The Rancho San Pedro: The Story of a Famous Rancho in Los Angeles County and of Its Owners the Dominguez Family.* N.p.: Museum Reproductions.

Gumprecht, Blake
1999 *The Los Angeles River: Its Life, Death and Possible Rebirth.* John Hopkins University Press, Baltimore, MD.

Hawthorne, Christopher
2006 Hooray for Sprawlywood. *Los Angeles Times.* 3 December:S6. Los Angeles.

Jackson, Robert H.
1999 Agriculture, Drought & Chumash Congregation in the California Missions (1782-1834), *California Mission Studies Association*. Articles, May Newsletter.

Jorgensen, Lawrence C.,
1982 *The San Fernando Valley Past and Present*, Pacific Rim Research, ISBN 0-941014-00-2.

Kroeber, Alfred L.

1925 Handbook of Indians of California. *Bureau of American Ethnology Bulletin 78*, Smithsonian Institution, Washington D.C.

Langenwalter, Paul
1977 Site Update Form, P-19-000146. Document on file, South Central Coastal Information Center.

Long, Douglas
1993 Preliminary List of the marine Fishes and Other Vertebrate Remains from the Late Pleistocene Palos Verdes Sand Formation at Costa Mesa, Orange County, California. *PaleoBios* 15(1): 9–13.

Los Angeles Department of Building and Safety
1959 Building Permit, Document Number 1959LA42741, Record ID 55508130. September 21, 1959.

McCawley, William
1996 *The First Angelinos: The Gabrielino Indians of Los Angeles.* Malki Museum Press. Banning.

Meyer, L.
1981 *Los Angeles, 1781–1981*. A special bicentennial issue of California history, Spring 1981. California Historical Society, Los Angeles.

Nationwide Environmental Title Research, LLC (NETR)
2018 Historic Aerials. Online at https://historicaerials.com/viewer. Accessed July 26, 2018.

Natural History Museum of Los Angeles County
N.d.a Lomita Marl. Online at: https://research.nhm.org/ip/lomita-marl/ Accessed October 16, 2018.

N.d.b Timms Point Silt. Online at: https://research.nhm.org/ip/timms-point-silt/ Accessed October 16, 2018.

Nelson, N. C.
1912 Archaeological Site Survey Record, P-19-000146. Document on file, South Central Coastal Information Center.

Paddison, Joshua
1999 *A World Transformed: Firsthand Accounts of California Before the Gold Rush.* Heyday Books, Berkeley, CA. ISBN 1-890771-13-9.

Poole, Jean Bruce, and Tevvy Ball
2002 *The Historic Heart of Los Angeles.* Getty Publications, Los Angeles, CA. ISBN 0-89236-662-1.

Reid, Hugo
1939 [1852] Letters on the Los Angeles County Indians. In *A Scotch Paisano in Old Los Angeles*, by Susanna Bryant Dakin, pp. 215–286. Berkeley, CA: University of California Press.

1977 [1851] The Decay of the Mission. In *Los Angeles, Biography of a City*, edited by John Caughey and LaRee Caughey, pp. 102–104. Berkeley, CA: University of California Press.

Rondeau, Michael F.
2008 Fluted Points of the Far West. *Proceedings of the Society for California Archaeology* 21:265–-274.

Sanborn Map Company
1908 Insurance Maps of Hollywood, California. New York: Sanborn Map Company.

1921 Insurance Maps of Hollywood, California. New York: Sanborn Map Company.

1950 Insurance Maps of Los Angeles, California. New York: Sanborn Map Company.

Stickel, E. Gary
2008 *The Farpoint Site (CA-LAN-451): A Unique Clovis Culture Site of the First Americans on the Malibu Coast*. Online at http://farpointsite.blogspot.com/2008/02/farpoint-site-ca-lan-451-unique-clovis.html. Accessed December 27, 2013.

Wallace, William J.
1955 A Suggested Chronology for Southern California Coastal Archaeology. *Southwestern Journal of Anthropology* 11(3): 214–230.

Warren, Claude N.
1968 Cultural Traditions and Ecological Adaptation on the Southern California Coast. In *Archaic Prehistory in the Western United States*, edited by Cynthia Irwin-Williams. Eastern New Mexico University Contributions in Anthropology 1(3): 1–14.

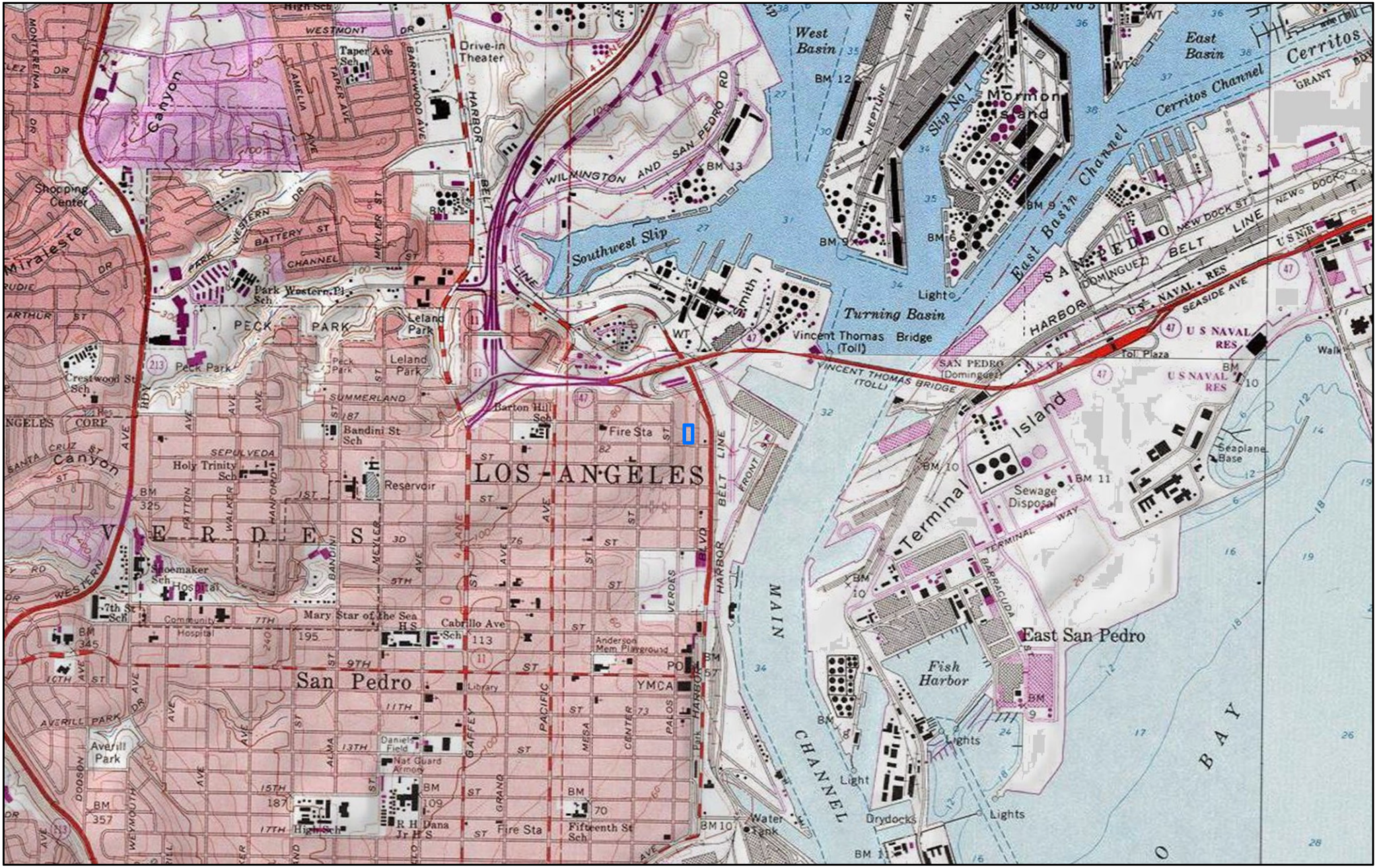
Wilkman, Nancy, and Jon Wilkman
2006 *Picturing Los Angeles.* Gibbs Smith Publishers, Salt Lake City.

Woodring, W. P., M. N. Bramlette, and W.S.W. Kew
1946 *Geology and Paleontology of Palos Verdes Hills, California.* United States Geological Survey Professional Paper 207. Washington, D.C.: Government Printing Office.

Wright, Ralph B., editor
1992 *California's Missions.* Hubert A. Lowman. Arroyo Grande, California.

Yerkes, R. F., T. H. McCulloh, J. E. Schoellhamer, and J. G. Vedder
1965 *Geology of the Los Angeles Basin, California—An Introduction.* Geological Survey Professional Paper 420-A. Washington, D.C.: Government Printing Office.

Attachment 1
Project Area Maps



0 0.25 0.5 Miles

0 0.25 0.5 Kilometers

Scale: 1:24,000
1 in = 2,000 ft

N

Date: 10/5/2018
Projection: NAD 1983 UTM Zone 11N

AECOM

Beacon Street Bridge Housing

Project Area Map

Legend:

Project Area



Path: C:\GIS Data\Projects\EMGD-065\MXD\NAHC Map - EMGD-065 85x11.mxd

Attachment 2
Sacred Lands File Search and Native American Contact Program
(Confidential)

NATIVE AMERICAN CONTACT PROGRAM

As part of this investigation, AECOM conducted a Native American contact program to inform interested parties of the proposed project and to request any information that may indicate an impact to cultural resources within the project area. The program involved contacting Native American representatives identified by the Native American Heritage Commission (NAHC) as potentially having knowledge about the project area, in order to solicit comments and concerns regarding the proposed project.

A letter was prepared and mailed to the NAHC on October 11, 2018. The letter requested that a Sacred Lands File check be conducted for the proposed project and that contact information be provided for Native American groups or individuals that may have concerns about cultural resources in the project area.

The NAHC responded in a letter sent via email and dated October 29, 2018. The letter stated that a Sacred Lands File search had been conducted of the project area, and that the result of the search was negative. However, the letter included a list of Native American representatives who may have knowledge of and interest in the project area.

Letters were prepared and mailed on October 18, 2018, to individuals anticipated to be interested parties in advance of the NAHC response. One additional letter was mailed on October 31, 2018 to an individual identified by the NAHC but not included in the original round of letters. Maps depicting the project area, and response forms to streamline responses, were attached to each letter. Follow-up phone calls were made on October 29 or 30 or November 1, 2018, to each party who had not yet responded (Table).

Table. Native American Contact Program

Native American Contact	Letter Sent	Date of Reply	Follow-Up Phone Call	Notes
Chairperson Andrew Salas Gabrieleno Band of Mission Indians – Kizh Nation	09/27/2018	10/01/2018	10/30/2018	Admin Specialist Brandy Salas responded in an email, "If there will be any ground disturbance taking place regarding the above project our tribal government would like to consult with your agency." A voicemail was left for Mr. Salas seeking additional comment.
Chairperson Anthony Morales Gabrieleno/Tongva San Gabriel Band of Mission Indians	09/27/2018	None	10/29/2018	Mr. Morales was reached via phone. He states that the project area is sensitive for cultural resources. He pointed out the project area's proximity to the coast meant Native Americans were likely drawn to the area for its natural resources. He stated that his tribe has monitored elsewhere in the area of Harbor Boulevard and the Vincent Thomas Bridge, and they know

Native American Contact	Letter Sent	Date of Reply	Follow-Up Phone Call	Notes
				the area to be sensitive. Mr. Morales requests Native American monitoring be provided by a member of his group.
Chairperson Sandonne Goad Gabrielino/Tongva Nation	09/27/2018	None	10/29/2018	Left a voicemail briefly describing the project and requesting comment.
Chairman Robert Dorame	09/27/2018	None	10/29/2018	Mr. Dorame was reached by phone. He stated that he is frustrated that he never hears back when he comments on projects. He said he would look for our letter and reply with comment later.
Chairperson Linda Candelaria Gabrielino-Tongva Tribe	09/27/2018	None	None	No phone number provided.
Councilmember Charles Alvarez Gabrielino-Tongva Tribe	09/27/2018	None	10/29/2018	Left a voicemail briefly describing the project and requesting comment.
Director Joseph Ontiveros Cultural Resource Department Soboba Band of Mission Indians	09/27/2018	None	11/01/2018	Mr. Ontiveros stated that, because the project is located in the City of Los Angeles, Soboba defers to Chairperson Anthony Morales (see above).

AECOM Inc
300 S. Grand Ave., Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 11, 2018

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691

Subject: Council District 15 515 North Beacon Street Bridge Housing Project

Dear Commissioners:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

The goal of this letter, in addition to acquainting you with this project, is to request that you check the Sacred Lands File records to identify any previously recorded tribal cultural resources in the project area. In addition, please provide a CEQA Tribal Consultation List, which we will use for contact and LABOE will use for tribal consultation.

Please respond both to myself and to our Agency contact, whose contact information is as follows:

Ms. Heloise Froelich
Environmental Supervisor I
Environmental Management Group
Bureau of Engineering, Department of Public Works
City of Los Angeles
1149 S. Broadway, Suite 600
Los Angeles, CA 90015
Phone: 213-485-5111 | Fax 213-847-0656

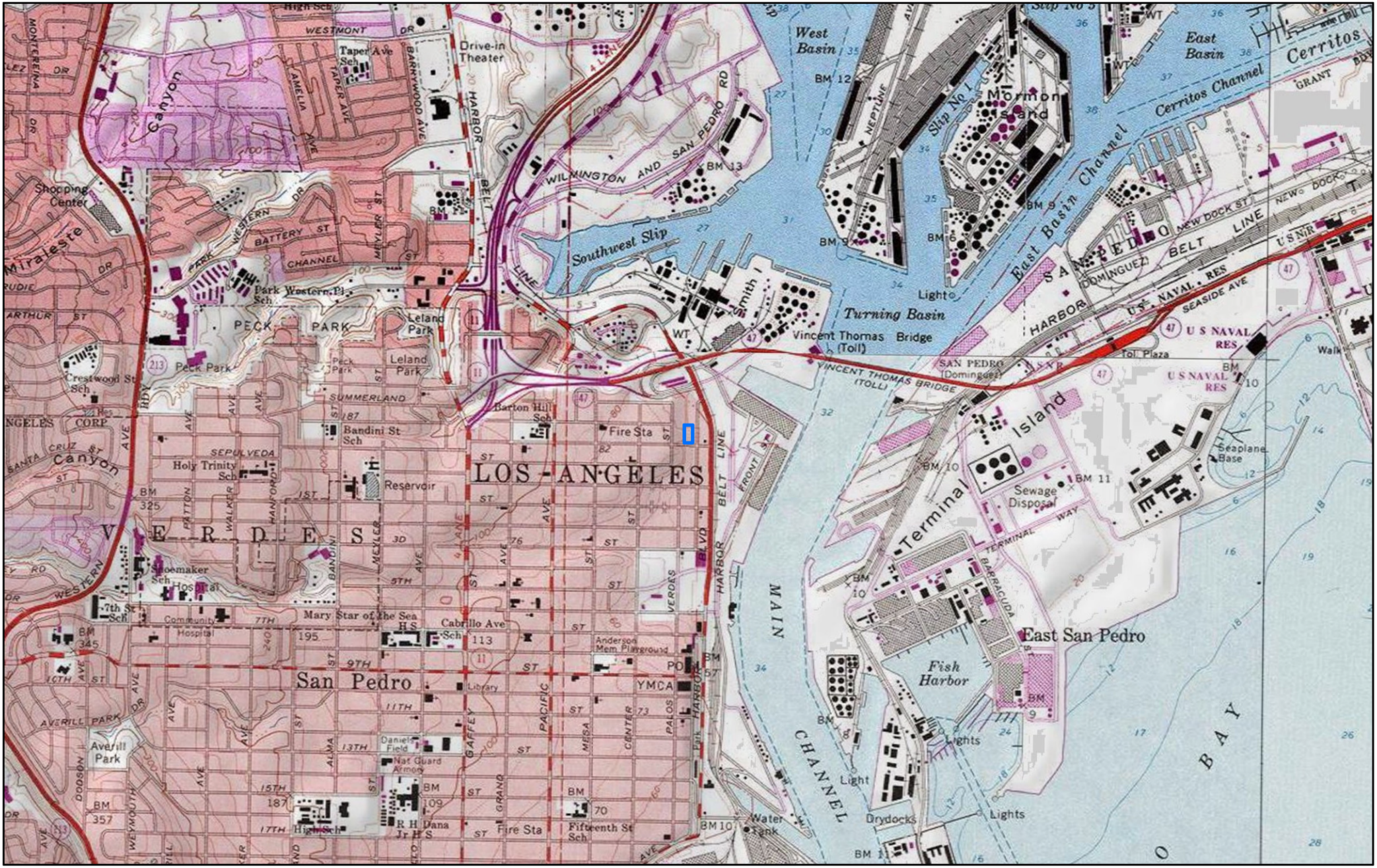
AECOM Inc
300 S. Grand Ave., Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

Because this of the homelessness emergency in the City, LABOE would like to begin construction as soon as possible. We request that you expedite your response.

Thank you for your assistance. Please feel free to contact me if you have any questions about this project.

Sincerely,

Marc A. Beherec, Ph.D., RPA
Archaeologist
Desk: 213.593.8481
Cell: 951.296.7561
email: marc.beherec@aecom.com



0 0.25 0.5 Miles

0 0.25 0.5 Kilometers

Scale: 1:24,000
1 in = 2,000 ft

N

Date: 10/5/2018
Projection: NAD 1983 UTM Zone 11N

AECOM

EMGD-065

NAHC Project Area Map

Legend:

Project Area



Path: C:\GIS Data\Projects\EMGD-065\MXD\NAHC Map - EMGD-065 85x11.mxd

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691 Phone: (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov

October 29, 2018

Marc A. Beherec
AECOM

VIA Email to: marc.beherec@aecom.com

RE: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, Council District 15 515 North Beacon Street Bridge Housing Project, Los Angeles Project.

Dear Mr. Beherec:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

> Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section. (Public Resources Code §21080.3.1(d))

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

In accordance with Public Resources Code section 21080.3.1 (d), formal notification must include a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation. The NAHC also recommends, but does not require that agencies should also include with their notification letters,

information regarding any cultural resources assessment that has been completed on the Area of Potential Effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

   - A listing of any and all known cultural resources that have already been recorded or are adjacent to the APE, such as known archaeological sites;

   - Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;

   - Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and

   - If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

   - Any report that may contain site forms, site significance, and suggested mitigation measures.

     All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of the Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was negative.

4. Any ethnographic studies conducted for any area including all or part of the potential APE; and

5. Any geotechnical reports regarding all or part of the potential APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive or conclusive as to the presence of resources that may be tribal cultural resources. A negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we are able to assure that our consultation list remains current.

If you have any questions, please contact me at my email address: katy.sanchez@nahc.ca.gov.

Sincerely,

Katy Sanchez

Katy Sanchez
Associate Environmental Planner

Native American Heritage Commission
Tribal Consultation List
October 29, 2018

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393
Covina , CA 91723
admin@gabrielenoindians.org Gabrielino
(626) 926-4131

Gabrielino-Tongva Tribe
Charles Alvarez, Councilmember
23454 Vanowen St. Gabrielino
West Hills , CA 91307
roadkingcharles@aol.com
(310) 403-6048

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 Gabrielino Tongva
San Gabriel , CA 91778
GTTribalcouncil@aol.com
(626) 483-3564 Cell

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 Luiseno
San Jacinto , CA 92581 Cahuilla
jontiveros@soboba-nsn.gov
(951) 663-5279
(951) 654-5544, ext 4137

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 Gabrielino Tongva
Los Angeles , CA 90012
sgoad@gabrielino-tongva.com
(951) 807-0479

Gabrielino Tongva Indians of California Tribal Council
Robert F. Dorame, Chairman
P.O. Box 490 Gabrielino Tongva
Bellflower , CA 90707
gtongva@gmail.com
(562) 761-6417 Voice/Fax

Gabrielino-Tongva Tribe
Linda Candelaria, Chairperson
80839 Camino Santa Juliana
Indio , CA 92203
lcandelaria1@gabrielinotribe.or Gabrielino

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097 .94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Public Resources Code Sections 210080.1, 21080.3.1 and 21080.3.2.

Council District 15 515 North Beacon St. Bridge Housing Project, Los Angeles County

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 18, 2018

Andrew Salas, Chairperson
Gabrieleno Band of Mission Indians – Kizh Nation
P.O. Box 393
Covina, CA 91723

Subject: 515 North Beacon Street (Council District 15) Bridge Housing Project

Dear Chairperson Salas:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 19, 2018, so that your comments can be included in our study.

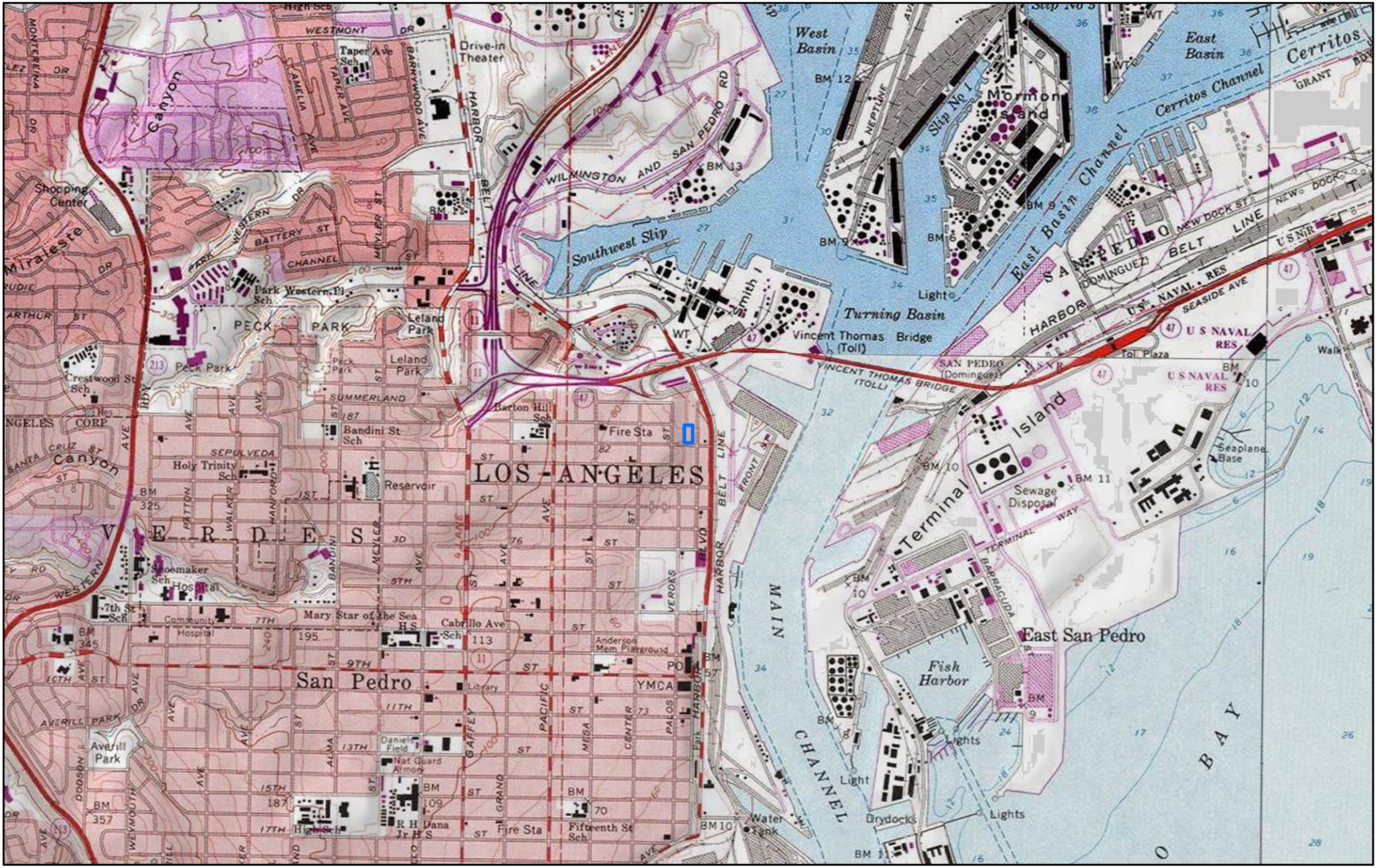
Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope



0 0.25 0.5 Miles

0 0.25 0.5 Kilometers

Scale: 1:24,000
1 in = 2,000 ft

N

Date: 10/5/2018
Projection: NAD 1983 UTM Zone 11N

AECOM

EMGD-065

NAHC Project Area Map

Legend:

Project Area



Path: C:\GIS Data\Projects\EMGD-065\MXD\NAHC Map - EMGD-065 85x11.mxd

NATIVE AMERICAN RESPONSE FORM

Project name: 415 North Beacon Street (Council District 15) Bridge Housing Project

Please circle appropriate response below.

I/We (would like) (would not like) to be contacted. You may contact me/us at the address and phone number below.

I/We (do) (do not) have concerns. Concerns are outlined below:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Please Print Name, Tribal Office/Affiliation, Address, and Phone Number

_____
_____
_____
_____
_____

_____ _____
Signature Date

Please return completed form no later than November 19, 2018 to:

Marc A. Beherec, Ph.D., RPA
Archaeologist
AECOM
300 S. Grand Avenue
Suite 200
Los Angeles, CA. 90071
Office: 213-593-8481
Cell: 951-296-7561
Marc.Beherec@aecom.com

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 18, 2018

Anthony Morales, Chairperson
Gabrielino/Tongva San Gabriel Band of Mission Indians
P.O. Box 693
San Gabriel, CA 91778

Subject: Council District 15, 515 North Beacon Street Bridge Housing Project

Dear Chairperson Morales:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 19, 2018, so that your comments can be included in our study.

Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 18, 2018

Sandonne Goad, Chairperson
Gabrielino/Tongva Nation
106 ½ Judge John Aiso Street, #213
Los Angeles, CA 90012

Subject: 515 North Beacon Street (Council District 15) Bridge Housing Project

Dear Chairperson Goad:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 19, 2018, so that your comments can be included in our study.

Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 18, 2018

Robert F. Dorame, Chairman
Gabrielino Tongva Indians of California Tribal Council
P.O. Box 490
Bellflower, CA 90707

Subject: 515 North Beacon Street (Council District 15) Bridge Housing Project

Dear Chairman Dorame:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 19, 2018, so that your comments can be included in our study.

Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 18, 2018

Linda Candelaria, Chairperson
Gabrielino-Tongva Tribe
80839 Camino Santa Juliana
Indio, CA 92203

Subject: 515 North Beacon Street (Council District 15) Bridge Housing Project

Dear Chairperson Candelaria:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 19, 2018, so that your comments can be included in our study.

Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 18, 2018

Charles Alvarez, Councilmember
Gabrielino-Tongva Tribe
23454 Vanowen Street
West Hills, CA 91307

Subject: 515 North Beacon Street (Council District 15) Bridge Housing Project

Dear Councilmember Alvarez:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 19, 2018, so that your comments can be included in our study.

Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 31, 2018

Joseph Ontiveros, Cultural Resource Department
Soboba Band of Luiseno Indians
P.O. Box 487
San Jacinto, CA 92581

Subject: Council District 15, 515 North Beacon Street Bridge Housing Project

Dear Mr. Ontiveros:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 30, 2018, so that your comments can be included in our study.

Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope

NATIVE AMERICAN RESPONSE FORM

Project name: 415 North Beacon Street (Council District 15) Bridge Housing Project

Please circle appropriate response below.

I/We (would like) (would not like) to be contacted. You may contact me/us at the address and phone number below.

I/We (do) (do not) have concerns. Concerns are outlined below:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Please Print Name, Tribal Office/Affiliation, Address, and Phone Number

_____
_____
_____
_____
_____

_____ _____
Signature Date

Please return completed form no later than November 30, 2018 to:

Marc A. Beherec, Ph.D., RPA
Archaeologist
AECOM
300 S. Grand Avenue
Suite 200
Los Angeles, CA. 90071
Office: 213-593-8481
Cell: 951-296-7561
Marc.Beherec@aecom.com

Beherec, Marc

From: Administration Gabrieleno Indians <admin@gabrielenoindians.org>
Sent: Monday, October 29, 2018 2:22 PM
To: Beherec, Marc
Subject: Re: 515 North Beacon St. (council District 15)Bridge Housing Project

Okay sounds good

Sincerely,
Admin Specialist
Gabrieleno Band of Mission Indians - Kizh Nation
PO Box 393
Covina, CA 91723
Office: 844-390-0787
website: www.gabrielenoindians.org

On Mon, Oct 29, 2018 at 1:09 PM Beherec, Marc <Marc.Beherec@aecom.com> wrote:

> Dear Brandy,
>
> Okay, Andy Salas emailed me that he will call me today. Sorry; I thought you were telling me you were requesting government-to-government consultation.
>
> Thanks!
>
> Marc
>
> **From:** Administration Gabrieleno Indians [mailto:admin@gabrielenoindians.org]
> **Sent:** Monday, October 29, 2018 12:01 PM
> **To:** Beherec, Marc
> **Subject:** Re: 515 North Beacon St. (council District 15)Bridge Housing Project
>
> Dear Marc,

Mr. Salas would still like to consult with you regarding this project. As you know this project is working a sensitive location .

On Mon, Oct 29, 2018 at 11:44 AM Beherec, Marc <Marc.Beherec@aecom.com> wrote:

Dear Brandy,

Thank you for your interest in the Beacon Street Housing Project. I will include your request for consultation in our report.

Respectfully,

Marc

Marc A. Beherec, Ph.D., RPA

Archaeologist

AECOM

300 S. Grand Ave., Suite 200, Los Angeles, CA 90071

Office: 213-593-8481

Cell: 951-296-7561

www.aecom.com

From: Administration Gabrieleno Indians [mailto:admin@gabrielenoindians.org]
Sent: Friday, October 26, 2018 3:55 PM
To: Beherec, Marc
Subject: 515 North Beacon St. (council District 15)Bridge Housing Project

Dear Marc,

Thank you for your letter dated October 18,2018. If there will be any ground disturbance taking place regarding the above project our tribal government would like to consult with your agency.

Thank you

Sincerely,

Brandy Salas
Admin Specialist
Gabrieleno Band of Mission Indians - Kizh Nation
PO Box 393
Covina, CA 91723

Office: 844-390-0787

website: www.gabrielenoindians.org

--

Sincerely,
Admin Specialist
Gabrieleno Band of Mission Indians - Kizh Nation
PO Box 393
Covina, CA 91723

Office: 844-390-0787

website: www.gabrielenoindians.org

AECOM

Distribution

Contact Report Form

AECOM Contact: Marc A. Beherec

Date: 10/30/2018 Project # 60589753

Individual Contacted: Andrew Salas Phone # 626-926-4131

Contact Information

Subject of Contact: Beacon Street Bridge Housing

Items Discussed

Made most follow-up calls for this project yesterday, but Mr. Salas emailed yesterday to say he would call about another project when he got out of meetings. He did not call yesterday.

I called today and left a message in his voicemail referencing this project and asking that he call about this project.

Follow Up

None needed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

October 18, 2018

Anthony Morales, Chairperson
Gabrielino/Tongva San Gabriel Band of Mission Indians
P.O. Box 693
San Gabriel, CA 91778

Subject: Council District 15, 515 North Beacon Street Bridge Housing Project

Dear Chairperson Morales:

AECOM was retained by the City of Los Angeles Department of Public Works Bureau of Engineering (LABOE) to conduct a Phase I cultural resources investigation to identify potential impacts to cultural resources in compliance with the California Environmental Quality Act for the Council District 15 515 North Beacon Street Bridge Housing Project. LABOE proposes to build a temporary emergency homeless shelter in a City of Los Angeles (City)-owned parcel, which is a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The project would include a new 7,200 square-foot tent structure with approximately 70 beds, up to two 480 square-foot hygiene trailers, a free-standing shade structure, a 960 square-foot administration trailer, an exterior dining area, a 130 square-foot food preparation and serving area, 385 square-feet of bin storage, approximately 300 linear-feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The project would be a temporary facility, operating no more than three years.

The site is located in the Los Angeles community of San Pedro, on the 1951 San Pedro 1:24000 USGS topographic map, in the unsectioned former Rancho San Pedro Land Grant, and is shown in the attached map. Although the project is called 515 N. Beacon Street, San Pedro, CA 90292, the more precise addresses are 407, 421 and 437 N. Beacon Street, and Lots 9, 10 and 11 of Assessor Parcel No. (APN) is 7449-007-900.

At our request, the Native American Heritage Commission (NAHC) is conducting a Sacred Lands File search of the project area. We anticipate that the NAHC will identify tribal representatives who may have interest in or knowledge of the area, and we expect that you will be among the tribal leaders identified.

A California Historical Resources Information System (CHRIS) records search was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The records search focused on the project area and a 0.25-mile buffer. No historical resources are documented within the project area. One archaeological site of Native American origin is documented within 0.25 mile of the project area. CA-LAN-146 consisted of a deposit including pectin, abalone, oyster, and clam shells; no artifacts are documented from the site. The site was located outside of the project area and east of Harbor Boulevard, but by 1977 the site was reported as having been totally destroyed.

AECOM Inc.
300 South Grand Avenue, Suite 200, Los Angeles, CA 90071
T 213.593.7700 www.AECOM.com

A cultural resources survey was conducted on October 17, 2018. No archaeological resources were identified during the survey.

The goal of this letter, in addition to acquainting you with this project, is to request any information you have that may indicate an impact to cultural resources within the project area. The response form (Enclosure 2) is provided to help us identify and address your concerns with this project. Return of this form does not imply that you approve or disapprove of the project; nor does it limit your opportunity to comment at a later time. Please return the response form by November 19, 2018, so that your comments can be included in our study.

Thank you very much for your assistance in this study. Please feel free to contact me directly with any questions or comments.

Sincerely,

Marc A. Beherec, Ph.D., RPA
AECOM
Archaeologist
marc.beherec@aecom.com
Desk: 213-593-8481 Cell: 951-296-7561

Enclosure:

1) Project Area Map
2) Response Form
3) Self-Addressed Stamped Envelope

AECOM

Distribution

Contact Report Form

AECOM Contact: Marc A. Beherec

Date: October 29, 2018

Project # 60589753

Individual Contacted: Sandonne Goad

Phone # 951-807-0479

Contact Information

Subject of Contact: Beacon Street Bridge Housing

Items Discussed

Left a voicemail briefly describing the project and requesting comment.

Follow Up

None needed.

AECOM

Distribution

Contact Report Form

AECOM Contact: Marc A. Beherec

Date: October 29, 2018

Project # 60589753

Individual Contacted: Robert Dorame

Phone # 562-761-6417

Contact Information

Subject of Contact: Beacon Street Bridge Housing

Items Discussed

Mr. Dorame expressed frustration with the consultation process and with AB 52. He explained that he was frustrated with responding to consultants and then never hearing back from the consultants or agencies once project work began, and stated that he is considering charging for consultation. I responded that I would like to include his input in my report, but it is within his rights to demand direct government-to-government consultation under AB 52.

Mr. Dorame stated that he just picked up a stack of consultation letters, and would look for ours and respond when he had a chance to look over it.

Follow Up

None needed.

AECOM

Distribution

Contact Report Form

AECOM Contact: Marc A. Beherec

Date: October 29, 2018

Project # 60589753

Individual Contacted: Charles Alvarez

Phone # 310-403-6048

Contact Information

Subject of Contact: Beacon Street Bridge Housing

Items Discussed

Left a voicemail briefly describing the project and requesting comment.

Follow Up

None needed.

AECOM

Distribution

Contact Report Form

AECOM Contact: Marc A. Beherec

Date: 11/1/2018

Project # 60589753

Individual Contacted: Joseph Ontiveros

Phone # 951-663-5279

Contact Information

Subject of Contact: Beacon Street Bridge Housing

Items Discussed

Mr. Ontiveros states that, because the project is located in the City of Los Angeles, Soboba defers to Chairperson Anthony Morales of the Gabrielino/Tongva San Gabriel Band of Mission Indians. We previously spoke to Mr. Morales, who recommends Native American monitoring.

Follow Up

None needed.

ATTACHMENT I. HUMAN HEALTH RISK INFORMATION

This page intentionally left blank.

Terry A. Hayes Associates Inc. 310.839.4200 tel
3535 Hayden Avenue, Suite 350 310.839.4201 fax
Culver City, CA 90232
www.webtaha.com

Memorandum

To	Ms. Heloise Froelich Environmental Management Group Bureau of Engineering, Department of Public Works	Pages 5
Subject	Bridge Housing Project on N. Beacon Street, San Pedro: Human Health Risk Assessment Technical Memorandum	
From	Anders Sutherland, Terry A. Hayes Associates Inc. (TAHA)	
Date	November 7, 2018	

Introduction

This Technical Memorandum describes potential construction-related human health risk impacts of the Bridge Housing Project on N. Beacon Street in San Pedro (proposed project). The proposed project would be located within a portion of a paved California Department of Transportation (Caltrans) Park and Ride Lot. The Caltrans-owned project site is located at 515 North Beacon Street in the San Pedro community within Council District (CD) 15 in the City of Los Angeles. The addresses that comprise the entire project site include 407, 427, and 437 North Beacon Street. The associated Assessor Parcel No. (APN) is 7449-007-900. The parking lot is located just south of the Interstate 110 (I-110)/Harbor Boulevard interchange and the project site is comprised of a total of approximately 49,500 square feet. The project site is currently utilized as a Park and Ride Lot for Caltrans and is occasionally used as a construction equipment and trailer staging area by both Caltrans and Port of Los Angeles.

The City of Los Angeles would lease the project site from Caltrans for the proposed project. The proposed project would include a new 10,800 square-foot (sf) tent structure with approximately 102 beds, a 720 sf hygiene station, a free-standing shade structure, a 960 sf administration trailer, an exterior dining area, a 120 sf food preparation and serving area, 450 sf of bin storage, approximately 300 linear feet of fencing, an outdoor pet area, bike racks, a smoking area and general open space that would serve the local homeless community. The proposed project would be a temporary facility (3 years) and would be operated by the City through Los Angeles Homeless Services Authority, or another City vendor. The project site and surrounding area are within a highly urbanized and densely populated area of Los Angeles near the Port of Los Angeles. As discussed in this Technical Memorandum, the proposed project will have no significant effects related to human health risk.

Purpose

The purpose of this Technical Memorandum was to assess the potential for human health risk impacts in accordance with the California Environmental Quality Act (CEQA). The analysis is consistent with methodology established by the South Coast Air Quality Management District (SCAQMD) and the Office of Environmental Health Hazard Assessment (OEHHA).

Emissions Quantification

Air pollutant emissions that would be generated by construction activities were quantified using the California Emissions Estimator Model (CalEEMod, version 2016.3.2). The construction activities are generally anticipated to comprise five phases: site clearing, grading, utility trenching, structure erection, and paving. CalEEMod estimates daily air pollutant emissions associated with each phase of construction activity. Sources of air pollutant emissions located on the project site during construction activities would include exhaust from heavy

duty equipment and fugitive dust generated by ground disturbance and material movement. This human health risk assessment focuses on emissions of toxic air contaminants (TAC). Fugitive dust does not contain TAC emissions, and therefore, the exhaust emissions from heavy-duty equipment represent the only relevant source of TAC emissions. Heavy-duty construction equipment engines are powered by diesel fuel, which releases diesel particulate matter (diesel PM) during internal combustion. This human health risk assessment estimates exposures to diesel PM concentrations at nearby sensitive receptor locations during construction of the proposed project.

CalEEMod was used to calculate daily diesel PM emissions from equipment exhaust during each phase of construction activities. The weighted average daily diesel PM emission rate was calculated for the construction period, equaling approximately 0.156 pounds of diesel PM per eight-hour construction day. When converted to grams of diesel PM emitted per second (g/s) of construction activity, the average continuous emission rate of diesel PM is approximately 0.00245 g/s on equipment use days. This emission rate was used to estimate the average concentrations of diesel PM to which surrounding sensitive receptors would be exposed throughout the duration of construction activities. During hours in which no construction activities would be occurring (i.e., evenings, nights, and weekends), the diesel PM emission rate would be zero.

Exposure Quantification

In order to assess the exposure to nearby sensitive receptors, air quality modeling was completed utilizing the United States Environmental Protection Agency AERMOD version 18081 atmospheric dispersion model. The model simulates air pollutant emissions from various types of sources in simple and complex terrain and estimates concentrations at desired receptor locations. The model offers additional flexibility by allowing the user to assign initial vertical and lateral dispersion parameters for stationary sources. Appropriate model settings were employed according to California Air Pollution Control Officers Association (CAPCOA) and SCAQMD guidance documents to characterize vertical and horizontal dispersion parameters for each emitting source.

The SCAQMD guidance suggests that emissions from construction sites should be modeled using adjacent volume sources to represent plumes from exhaust stacks on equipment, as it is impossible to predict when and where a specific piece of equipment would be operating on a given day throughout the construction period. The SCAQMD guidance recommends using volumes sources with dimensions of seven meters per side with an initial vertical dimension of 1.4 meters to characterize plume rise upon release and a release height of five meters. A total of 150 volume sources were used to simulate emissions of diesel PM during the eight-hour construction workday. The single-source emission rate attributed to each source input to the model was:

$$0.00245\ {}^{g}/_{s} \Big/ {}_{150\ sources} = 1.634\ x\ 10^{-5}\ {}^{g}/_{s} \text{ per source}$$

This emission rate was used to characterize average emissions during equipment use hours. Information provided by the City of Los Angeles Bureau of Engineering (BOE) acknowledged that equipment would not be in use every day of construction activities. Variable emission rates were assigned to all 150 sources to limit the emissions to the eight-hour construction days on which equipment would be in use, with no emissions occurring the other 16 hours per weekday or on weekends. BOE determined that total equipment use days would be approximately 35, or five work weeks. To account for time in between equipment use, the exposure assessment conservatively assumed a three-month exposure duration (0.25 years).

The AERMOD software requires terrain elevation data and local meteorology data files to estimate pollutant concentrations. The AERMOD software requires five years of meteorological data to generate long-term average conditions for chronic pollutant exposures. Meteorological data from the ASOS Long Beach Airport [KLGB] Station (years 2012–2016) located approximately 8.9 miles northeast of the project site were used to characterize local weather conditions and prevailing winds. Data from this meteorological station are the most representative of conditions at the site of the proposed project due to surrounding topography. The AERMOD software contains links to National Elevation Dataset (NED) GEOTIFF files at a resolution of approximately 10 meters. The NED GEOTIFF for the project area was selected and used for air dispersion modeling.

Sensitive receptors within approximately 500 feet of the project site were identified for the human health risk assessment. Sensitive uses surrounding the project site include residential uses located adjacent to the western property boundary in the same block along North Palos Verdes Street approximately 50 feet to 200 feet from the

site boundary, as well as to the south in the neighboring block along North Beacon Street and North Palos Verdes Street approximately 400 feet and 150 feet from the project boundary, respectively. To estimate exposures to residents living on all floors of the building, flagpole receptor heights were assigned to the residential receptors at 2 meters and 10 meters to represent ground-level and top floor exposures. This human health risk assessment focuses on carcinogenic exposures and risks, which are based on long-term exposures. The five-year period averaging time was selected to determine the average concentration of diesel PM at receptor locations.

Risk Characterization

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Any exposure, therefore, will have some associated risk. As a result, the State of California has established a threshold of 10 in a million as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65). Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The carcinogenic risk was calculated based on the latest version of OEHHA Guidance Manual for Preparation of Health Risk Assessments (OEHAA, 2015). The cancer risk can be estimated from the following equation:

$$Dose\text{-}air = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$$

Where:

Dose-air =	*Dose through inhalation (mg/kg/day)*
C_{air} =	*Concentration in air (µg/m^3)*
{BR/BW} =	*daily breathing rate normalized to body weight (L/kg-day)*
A =	*Inhalation absorption factor (unitless) [1.0]*
EF =	*Exposure frequency (unitless), # days/365 days [350 days per year residential]*

and

$$Cancer\ Risk = Dose\text{-}air \times CPF \times ASF \times ED/AT$$

Where:

Dose-air =	*Daily inhalation dose (mg/kg-day)*
CPF =	*Inhalation cancer potency factor (mg/kg-day^{-1})*
ASF =	*Age sensitivity factor for a specified age group (unitless) [10.0 for infants, 3.0 for children age 2–16, and 1.0 for adults]*
ED =	*Exposure duration (in years) for a specified age group [0.25 for three months]*
AT =	*Averaging time for lifetime cancer risk (years) [70 years]*

OEHHA has developed Age Sensitivity Factors (ASF) to take into account the increased sensitivity to carcinogens during early-in-life exposure. ASF values of 10.0, 3.0, and 1.0 were applied to characterize infant, child, and adult exposures at the residential receptor locations, respectively. ASF values of 3.0 and 1.0 for school staff and students were assigned, respectively. The ASFs were obtained from the Table 8.3 of the OEHHA Air Toxics Hotspot Program Guidance Manual. Health risk assessments traditionally estimate the risk associated with long term exposures of sensitive receptors, typically either residents or workers, that would be consistently or regularly spending time in environments near permanent sources of toxic air contaminant emissions. Residential exposures are typically evaluated over a 70-year exposure period due to the chronic, cumulative nature of carcinogenic risk, and worker exposures are typically evaluated over a 30-year period.

Construction of the proposed project would only last for approximately four and a half months, and construction equipment would be in use for a total of no more than eight weeks throughout this time. As heavy-duty equipment would be the only source of diesel PM emissions on the project site, the corresponding exposures should be limited to the amount of time that equipment will actually be in use. On days and weeks when equipment is not in use, there will be no diesel PM emissions from the construction site and exposures attributed to project construction would be negligible. Therefore, as a conservative approach, it was assumed that the exposure duration for residential receptors would be no longer than three months, or one-quarter year, as the health risk assessment focuses on diesel PM emissions from on-site sources (construction equipment). Table 1

displays the parameters used to estimate the cancer risk at residential receptors surrounding the construction site.

Table 1. Health Risk Assessment Parameters – Residential Receptors

Parameter	Description	Unit	Infant	Child	Adult
Cair	Concentration	$\mu g/m^3$	0.01938	0.01938	0.01938
EF	Exposure Frequency	350/365	0.96	0.96	0.96
ED	Exposure Duration	years	0.25	0.25	0.25
AT	Averaging Time	years	70	70	70
A	Absorption Coefficient	Unitless	1.0	1.0	1.0
{BR/BW}	Daily Breathing Rate	L/kg-day	1,090	745	335
Dose-air	Daily Dosage	mg/kg-day	2.03×10^{-5}	1.38×10^{-5}	6.23×10^{-6}
FAH	Fraction of Time at Home	unitless	85%	72%	73%
ASF	Age Sensitivity Factor	unitless	10	3	1
CPF	Cancer Potency Factor	1/(mg/kg-day)	1.1	1.1	1.1

Source: TAHA, 2018

Conclusions

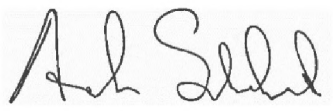
The maximum potential carcinogenic risk to which a residential receptor would be exposed during project construction was calculated using the maximum period-average ground-level diesel PM concentration produced by AERMOD, which was 0.01938 $\mu g/m^3$. Table 2 presents the carcinogenic risks for potential receptors of various ages at the maximally exposed individual resident (MEIR) location calculated in accordance with OEHHA methodology. All cancer risks would be less than the SCAQMD significance threshold of 10 in a million even when assuming continuous exposure at the location of the maximum modeled concentration. Sensitive receptors would not be exposed to substantial concentrations of diesel PM resulting from construction of the proposed project due to the brevity of the construction period and the intermittent use of construction equipment. No significant effects are anticipated and no mitigation is necessary to reduce diesel PM concentrations at sensitive receptor locations.

Table 2. Residential Receptors Cancer Risk in One Million Persons

Receptor	Cancer Risk
Infant	0.68
Child	0.12
Adult	0.02
SCAQMD Threshold	10
Exceed Threshold?	**No**

Note: MEIR location is in the rear of the property at 508–514 N. Palos Verdes St.
Source: TAHA, 2018

Prepared by



Anders Sutherland
Environmental Scientist

References

California Air Pollution Control Officers Association (CAPCOA). 2009. Health Risk Assessment for Proposed Land Use Projects. Available at http://www.capcoa.org/wp-content/uploads/downloads/2010/05/CAPCOA_HRA_LU_Guidelines_8-6-09.pdf. Accessed November 2018.

Office of Environmental Health Hazard Assessment (OEHHA). 2015. Guidance Manual for Preparation of Health Risk Assessments, Risk Assessment Guideline. Available at https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed November 2018.

South Coast Air Quality (SCAQMD). 2017. SCAQMD Meteorological Data for Dispersion Model Application. Available at http://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data. Accessed November 2018.

_____. 2015. Air Quality Significance Thresholds. Available at http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2. Accessed November 2018.

Attachment 1 – CalEEMod Files and Emissions Calculations

Attachment 2 – AERMOD Files

Attachment 3 – Risk Calculations

Attachment 1
CalEEMod Files & Emissions Calculations

515 N Beacon St. - Bridge Housing

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	3.10	Acre	3.10	134,841.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2019
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

515 N Beacon St. - Bridge Housing - Los Angeles-South Coast County, Winter

Project Characteristics - LABOE Project Schedule

Land Use - Tent Structure 60' x 120': 10,800 square-feet
Hygiene Station 12' x 60': 720 square-feet
Administration 24' x 40': 960 square-feet
Covered Dining Area: 880 square-feet
Food Serving Area: 120 square-feet
Covered Walkways: 350 square-feet

Construction Phase - Project Specific Phase Lengths

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Off-road Equipment - Maximum Daily Activity.

Trips and VMT - Trip Generation.

Demolition -

Grading -

Vehicle Trips - Trip Generation.

Consumer Products -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule #403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	8.00	1.00
tblConstructionPhase	NumDays	230.00	1.00

515 N Beacon St. - Bridge Housing - Los Angeles-South Coast County, Winter

tblConstructionPhase	NumDays	18.00	1.00
tblLandUse	LandUseSquareFeet	135,036.00	134,841.00
tblOffRoadEquipment	HorsePower	130.00	80.00
tblOffRoadEquipment	HorsePower	132.00	80.00
tblOffRoadEquipment	HorsePower	84.00	6.00
tblOffRoadEquipment	HorsePower	84.00	6.00
tblOffRoadEquipment	HorsePower	80.00	20.00
tblOffRoadEquipment	HorsePower	65.00	70.00
tblOffRoadEquipment	HorsePower	97.00	30.00
tblOffRoadEquipment	HorsePower	97.00	30.00
tblOffRoadEquipment	LoadFactor	0.36	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblTripsAndVMT	HaulingTripNumber	98.00	40.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	22.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	57.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblVehicleTrips	ST_TR	22.75	42.00
tblVehicleTrips	SU_TR	16.74	42.00
tblVehicleTrips	WD_TR	1.89	42.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.7789	15.0468	5.8199	0.0371	9.1785	0.2436	9.3161	1.5062	0.2245	1.6356	0.0000	3,971.6638	3,971.6638	0.3063	0.0000	3,979.3223
2019	0.8007	8.2119	5.1639	0.0111	0.2620	0.3717	0.6337	0.0704	0.3421	0.4125	0.0000	1,113.7234	1,113.7234	0.2479	0.0000	1,119.9208
Maximum	**0.8007**	**15.0468**	**5.8199**	**0.0371**	**9.1785**	**0.3717**	**9.3161**	**1.5062**	**0.3421**	**1.6356**	**0.0000**	**3,971.6638**	**3,971.6638**	**0.3063**	**0.0000**	**3,979.3223**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.7789	15.0468	5.8199	0.0371	4.1660	0.2436	4.3036	0.7473	0.2245	0.8767	0.0000	3,971.6638	3,971.6638	0.3063	0.0000	3,979.3223
2019	0.8007	8.2119	5.1639	0.0111	0.2620	0.3717	0.6337	0.0704	0.3421	0.4125	0.0000	1,113.7234	1,113.7234	0.2479	0.0000	1,119.9208
Maximum	**0.8007**	**15.0468**	**5.8199**	**0.0371**	**4.1660**	**0.3717**	**4.3036**	**0.7473**	**0.3421**	**0.8767**	**0.0000**	**3,971.6638**	**3,971.6638**	**0.3063**	**0.0000**	**3,979.3223**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.10**	**0.00**	**50.38**	**48.14**	**0.00**	**37.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6235	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.8000e-004	6.8000e-004	0.0000		7.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2702	1.2802	3.4092	0.0101	0.7968	0.0121	0.8089	0.2133	0.0114	0.2247		1,030.2527	1,030.2527	0.0627		1,031.8210
Total	**0.8937**	**1.2802**	**3.4096**	**0.0101**	**0.7968**	**0.0121**	**0.8089**	**0.2133**	**0.0114**	**0.2247**		**1,030.2534**	**1,030.2534**	**0.0627**	**0.0000**	**1,031.8217**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6235	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.8000e-004	6.8000e-004	0.0000		7.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2702	1.2802	3.4092	0.0101	0.7968	0.0121	0.8089	0.2133	0.0114	0.2247		1,030.2527	1,030.2527	0.0627		1,031.8210
Total	**0.8937**	**1.2802**	**3.4096**	**0.0101**	**0.7968**	**0.0121**	**0.8089**	**0.2133**	**0.0114**	**0.2247**		**1,030.2534**	**1,030.2534**	**0.0627**	**0.0000**	**1,031.8217**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/17/2018	12/17/2018	5	1	
2	Grading	Grading	12/20/2018	12/20/2018	5	1	
3	Trenching	Trenching	1/9/2019	1/9/2019	5	1	
4	Building Construction	Building Construction	1/30/2019	1/30/2019	5	1	
5	Paving	Paving	4/1/2019	4/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Generator Sets	1	4.00	6	0.74
Demolition	Tractors/Loaders/Backhoes	1	8.00	30	0.37
Grading	Rollers	2	8.00	20	0.38
Grading	Skid Steer Loaders	2	8.00	70	0.37
Trenching	Generator Sets	1	4.00	6	0.74
Trenching	Tractors/Loaders/Backhoes	1	8.00	30	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Paving	Pavers	1	8.00	80	0.42
Paving	Paving Equipment	1	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	2	20.00	6.00	40.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	20.00	6.00	4.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	20.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.2172	0.0000	8.2172	1.2442	0.0000	1.2442			0.0000			0.0000
Off-Road	0.2208	1.1179	1.1798	1.3500e-003		0.0803	0.0803		0.0746	0.0746		127.2061	127.2061	0.0351		128.0826
Total	**0.2208**	**1.1179**	**1.1798**	**1.3500e-003**	**8.2172**	**0.0803**	**8.2975**	**1.2442**	**0.0746**	**1.3187**		**127.2061**	**127.2061**	**0.0351**		**128.0826**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4071	13.0996	2.8605	0.0319	0.6993	0.0501	0.7494	0.1917	0.0479	0.2396		3,443.8526	3,443.8526	0.2505		3,450.1157
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.5581**	**13.9289**	**4.0760**	**0.0358**	**0.9613**	**0.0574**	**1.0187**	**0.2620**	**0.0548**	**0.3169**		**3,844.4577**	**3,844.4577**	**0.2713**		**3,851.2397**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2047	0.0000	3.2047	0.4852	0.0000	0.4852			0.0000			0.0000
Off-Road	0.2208	1.1179	1.1798	1.3500e-003		0.0803	0.0803		0.0746	0.0746	0.0000	127.2061	127.2061	0.0351		128.0826
Total	**0.2208**	**1.1179**	**1.1798**	**1.3500e-003**	**3.2047**	**0.0803**	**3.2850**	**0.4852**	**0.0746**	**0.5598**	**0.0000**	**127.2061**	**127.2061**	**0.0351**		**128.0826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4071	13.0996	2.8605	0.0319	0.6993	0.0501	0.7494	0.1917	0.0479	0.2396		3,443.8526	3,443.8526	0.2505		3,450.1157
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.5581**	**13.9289**	**4.0760**	**0.0358**	**0.9613**	**0.0574**	**1.0187**	**0.2620**	**0.0548**	**0.3169**		**3,844.4577**	**3,844.4577**	**0.2713**		**3,851.2397**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4825	3.9108	4.3183	5.9000e-003		0.2314	0.2314		0.2129	0.2129		594.1979	594.1979	0.1850		598.8225
Total	**0.4825**	**3.9108**	**4.3183**	**5.9000e-003**	**0.5303**	**0.2314**	**0.7616**	**0.0573**	**0.2129**	**0.2701**		**594.1979**	**594.1979**	**0.1850**		**598.8225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0407	1.3100	0.2861	3.1900e-003	0.0699	5.0100e-003	0.0749	0.0192	4.7900e-003	0.0240		344.3853	344.3853	0.0251		345.0116
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.1918**	**2.1393**	**1.5016**	**7.1000e-003**	**0.3319**	**0.0123**	**0.3442**	**0.0895**	**0.0117**	**0.1012**		**744.9904**	**744.9904**	**0.0458**		**746.1355**

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.4825	3.9108	4.3183	5.9000e-003		0.2314	0.2314		0.2129	0.2129	0.0000	594.1979	594.1979	0.1850		598.8225
Total	**0.4825**	**3.9108**	**4.3183**	**5.9000e-003**	**0.2068**	**0.2314**	**0.4382**	**0.0223**	**0.2129**	**0.2352**	**0.0000**	**594.1979**	**594.1979**	**0.1850**		**598.8225**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0407	1.3100	0.2861	3.1900e-003	0.0699	5.0100e-003	0.0749	0.0192	4.7900e-003	0.0240		344.3853	344.3853	0.0251		345.0116
Vendor	0.0288	0.7370	0.2210	1.5400e-003	0.0384	5.2600e-003	0.0437	0.0111	5.0400e-003	0.0161		164.4899	164.4899	0.0119		164.7866
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.1918**	**2.1393**	**1.5016**	**7.1000e-003**	**0.3319**	**0.0123**	**0.3442**	**0.0895**	**0.0117**	**0.1012**		**744.9904**	**744.9904**	**0.0458**		**746.1355**

3.4 Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2061	1.0831	1.1581	1.3500e-003		0.0734	0.0734		0.0682	0.0682		125.5563	125.5563	0.0350		126.4311
Total	**0.2061**	**1.0831**	**1.1581**	**1.3500e-003**		**0.0734**	**0.0734**		**0.0682**	**0.0682**		**125.5563**	**125.5563**	**0.0350**		**126.4311**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.4 Trenching - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2061	1.0831	1.1581	1.3500e-003		0.0734	0.0734		0.0682	0.0682	0.0000	125.5563	125.5563	0.0350		126.4311
Total	**0.2061**	**1.0831**	**1.1581**	**1.3500e-003**		**0.0734**	**0.0734**		**0.0682**	**0.0682**	**0.0000**	**125.5563**	**125.5563**	**0.0350**		**126.4311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6640	7.4353	3.4872	7.2900e-003		0.3653	0.3653		0.3361	0.3361		722.5310	722.5310	0.2286		728.2460
Total	**0.6640**	**7.4353**	**3.4872**	**7.2900e-003**		**0.3653**	**0.3653**		**0.3361**	**0.3361**		**722.5310**	**722.5310**	**0.2286**		**728.2460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.5 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6640	7.4353	3.4872	7.2900e-003		0.3653	0.3653		0.3361	0.3361	0.0000	722.5310	722.5310	0.2286		728.2460
Total	**0.6640**	**7.4353**	**3.4872**	**7.2900e-003**		**0.3653**	**0.3653**		**0.3361**	**0.3361**	**0.0000**	**722.5310**	**722.5310**	**0.2286**		**728.2460**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5217	4.9347	4.0759	5.4900e-003		0.3553	0.3553		0.3269	0.3269		544.3089	544.3089	0.1722		548.6142
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5217**	**4.9347**	**4.0759**	**5.4900e-003**		**0.3553**	**0.3553**		**0.3269**	**0.3269**		**544.3089**	**544.3089**	**0.1722**		**548.6142**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

3.6 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5217	4.9347	4.0759	5.4900e-003		0.3553	0.3553		0.3269	0.3269	0.0000	544.3089	544.3089	0.1722		548.6142
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5217**	**4.9347**	**4.0759**	**5.4900e-003**		**0.3553**	**0.3553**		**0.3269**	**0.3269**	**0.0000**	**544.3089**	**544.3089**	**0.1722**		**548.6142**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	0.6953	0.2031	1.5300e-003	0.0384	4.5000e-003	0.0429	0.0111	4.3000e-003	0.0154		162.7663	162.7663	0.0114		163.0521
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	**0.1368**	**0.7766**	**1.0880**	**3.8200e-003**	**0.2620**	**6.4300e-003**	**0.2684**	**0.0704**	**6.0800e-003**	**0.0764**		**391.1924**	**391.1924**	**0.0193**		**391.6747**

4.0 Operational Detail - Mobile

CEQA Project Information Request (CD 15 Bridge Home – 515 N Beacon St.)

1. Project schedule (approximate start date – approximate end date) __12/16/18__ to __4/29/19___

2. What are the construction phases and estimated length of time for each phase? Please update information provided below or attach a construction schedule. (Note: Not all phases may apply to the project, only fill in applicable phases and/or add phases as needed).

   a. Demolition
      Estimated Start Date_December Number of Days/Months_3 days
   b. Grading
      Estimated Start Date_December_ Number of Days/Months_14 days____
   c. Trenching/Utilities
      Estimated Start Date_January_ Number of Days/Months___15 days___
   d. Building Construction
      Estimated Start Date_January Number of Days/Months__4 months_
   e. Architectural Coatings
      Estimated Start Date_ Number of Days/Months__
   f. Paving
      Estimated Start Date__April Number of Days/Months _7 days__
   g. Other (specify:)
      Estimated Start Date___ Number of Days/Months_____

3. What are the hours of construction (e.g., 8 am to 5 pm)? _7:00 AM- 4:00 PM__

4. How many days per week would construction occur? ___5__

5. What is the estimated number of construction workers (average and maximum)? _8-10___

6. What is the total acreage of the project area? _2.0

7. What is the maximum depth of construction? __4'-0" for trenching___

8. How much fill would be imported or exported (cubic feet/cubic yards)? not known at the moment
   a. What is the anticipated maximum number of daily truck trips/total number of truck trips for each phase? ____
   b. What would be the origination/destination of the soil hauling trucks, or how far would they travel (miles)? _____

9. What construction equipment pieces are anticipated for each phase, how many of each, and how many hours per day? Please use Table 1 (see Page 2) to indicate quantity of each piece of equipment.

10. Will construction staging areas be on site or off site? On site

11. Which roads will construction truck routes be along? Harbor Blvd.
12. Have any noise measurements been taken at the site? No.

13. Are there any project design features (e.g., temporary noise barriers) that would be employed during construction? Yes, as necessary to remain below CEQA thresholds.

Table 1. Construction Equipment Assumptions

	HP	Qt	Demolition	Trenching	Grading	Paving	Sprung Structure Installation
Air Compressor							
Backhoes	30	1	8hrs per day 2 days	8hrs per day 10 days			
Bore/Drill Rigs							
Concrete/Industrial Saws							
Compactor							
Cranes							8hrs per day 1 day
Crawler Tractors							
Crushing/Proc. Equipment							
Dozer							
Excavator							
Forklifts, Rough Terrain							
Generator	5	1	4 hrs per day 3 days	4 hrs per day 5 days			
Grader							
Loaders, Rubber Tired							
Off-Highway Trucks							
Other Construction Equip.*							
Pavers							
Paving Equipment	80	2				8hrs per day 7 days	
Pile Driver							
Rollers	20	2			8hrs per day 7 days		
Scraper							
Signal Boards							
Skid Steer Loaders	70	2			8hrs per day 7 days		
Surfacing Equipment							
Tractors							
Trenchers							

Note: Unless hours of operation are included, the analysis will conservatively assume that the equipment operates for all hours as indicated by the response to (3) above.

* Other Construction Equipment types/details _____

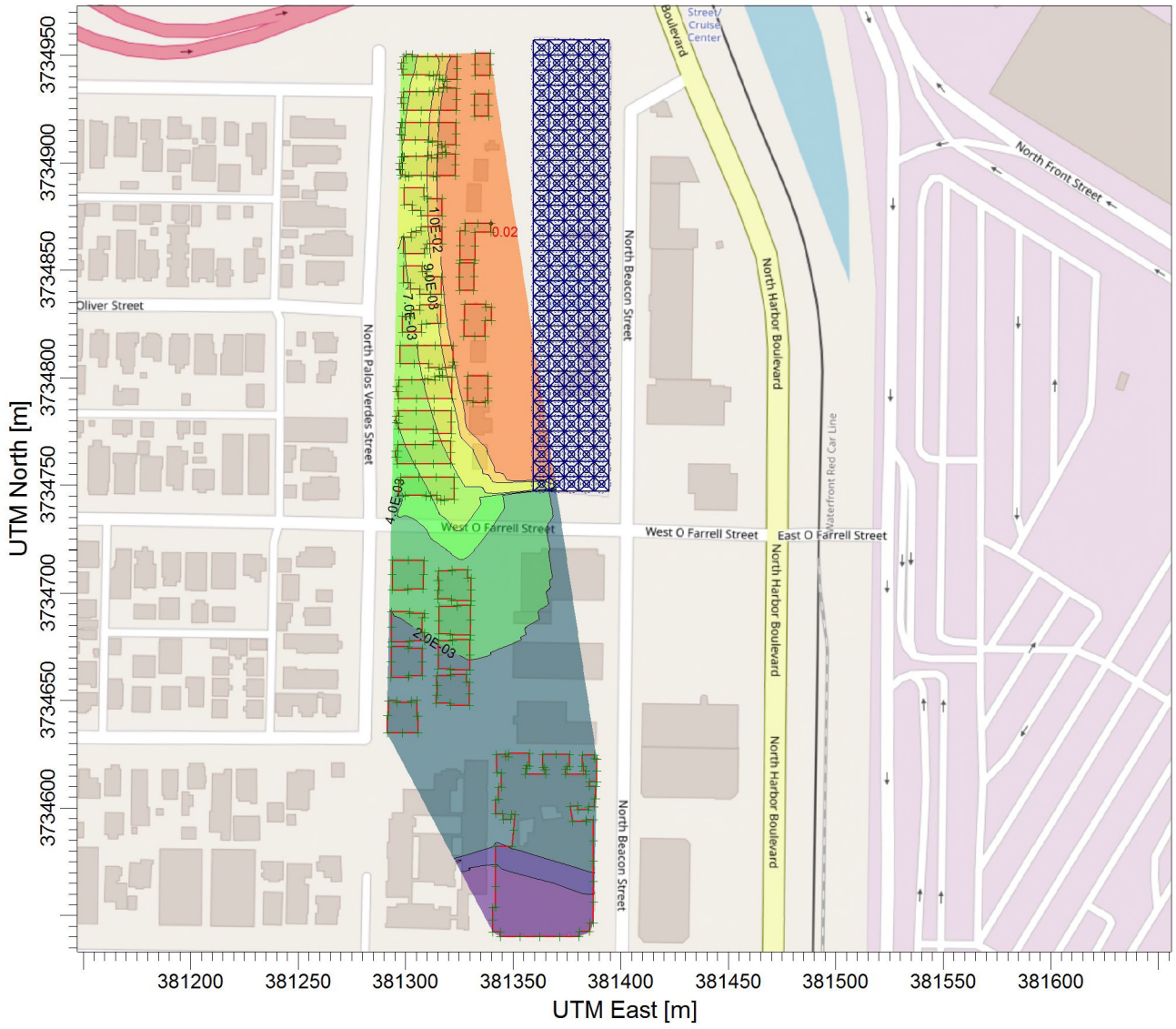
Average Diesel PM Emission Rate Calculations

Phase	Phase Length	Source	Duration (Equipment Days)	Daily DPM (lb/day)	
Demo	3	E	3	0.0803	
Grading*	14	E	7	0.2314	
Trenching	15	E	10	0.0734	
BC	90	E	1	0.3653	
Paving	7	E	7	0.3553	
			Total Equipment Use Days	Average Emissions	
			35	0.155631429	lb/8-hr construction day
				0.002451152	g/s
				150	vol sources
				1.6341E-05	g/s per v source

Attachment 2
AERMOD Files

PROJECT TITLE:

LABOE Bridge Housing - Beacon Street
Maximum Period-Average Diesel PM Concentrations - Residential



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL ug/m^3

Max: 1.9E-02 [ug/m^3] at (381339.66, 3734871.62)

6.8E-04 9.0E-04 1.0E-03 2.0E-03 4.0E-03 5.0E-03 7.0E-03 9.0E-03 1.0E-02 1.9E-02

COMMENTS:	SOURCES: **150**	COMPANY NAME: **TAHA**	
	RECEPTORS: **469**	MODELER: **Anders Sutherland**	taha environmental planners
	OUTPUT TYPE: **Concentration**	SCALE: 1:3,200 (0 — 0.1 km)	
	MAX: **1.9E-02 ug/m^3**	DATE: **11/6/2018**	PROJECT NO.:

Results Summary

C:\~Local TAHA Files\2018-077_LABOE_CD15_Beacon_BH\2018-077_LABOE_CD

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.01938	ug/m^3	381339.66	3734871.62	18.27	2.00	18.27	

Control Pathway

Dispersion Options

Titles

C:\~Local TAHA Files\2018-077_LABOE_CD15_Beacon_BH\2018-077_LABOE_CD

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban — Population: / Name (Optional): / Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours: ☑ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used
Option not available

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☑ Yes ☐ No

Default Height = 2.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: 2018-077_LABOE_CD15_Beacon_BH.err

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\~Resources & References\SCAQMD\met data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\~Resources & References\SCAQMD\met data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 10.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Plant Boundary Receptors

Receptor Pathway

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	381299.07	3734949.24	FENCEPRI	17.23	
2	381300.31	3734949.17	FENCEPRI	17.24	
3	381300.31	3734950.33	FENCEPRI	17.20	
4	381303.22	3734950.33	FENCEPRI	17.14	
5	381303.15	3734949.31	FENCEPRI	17.18	
6	381324.02	3734949.24	FENCEPRI	16.39	
7	381323.95	3734938.62	FENCEPRI	16.66	
8	381319.22	3734938.62	FENCEPRI	16.85	
9	381319.22	3734937.97	FENCEPRI	16.86	
10	381317.40	3734938.04	FENCEPRI	16.92	
11	381317.33	3734938.77	FENCEPRI	16.91	
12	381315.73	3734938.84	FENCEPRI	16.96	
13	381315.80	3734940.73	FENCEPRI	16.92	
14	381312.89	3734940.80	FENCEPRI	17.01	
15	381312.82	3734940.15	FENCEPRI	17.02	
16	381311.15	3734940.15	FENCEPRI	17.07	
17	381311.15	3734940.80	FENCEPRI	17.06	
18	381298.93	3734940.80	FENCEPRI	17.46	
19	381298.93	3734943.64	FENCEPRI	17.43	
20	381298.05	3734943.64	FENCEPRI	17.42	
21	381298.05	3734946.48	FENCEPRI	17.32	
22	381299.00	3734946.55	FENCEPRI	17.33	
23	381323.77	3734934.63	FENCEPRI	16.82	
24	381319.20	3734934.57	FENCEPRI	16.94	
25	381319.20	3734935.26	FENCEPRI	16.92	
26	381317.46	3734935.26	FENCEPRI	16.97	
27	381317.46	3734934.63	FENCEPRI	16.99	
28	381315.41	3734934.63	FENCEPRI	17.05	
29	381315.36	3734932.84	FENCEPRI	17.09	
30	381312.68	3734932.84	FENCEPRI	17.18	
31	381312.57	3734933.37	FENCEPRI	17.17	
32	381311.00	3734933.37	FENCEPRI	17.22	
33	381311.05	3734932.84	FENCEPRI	17.23	
34	381299.02	3734932.84	FENCEPRI	17.56	
35	381299.07	3734930.32	FENCEPRI	17.60	
36	381297.91	3734930.27	FENCEPRI	17.60	
37	381297.91	3734927.48	FENCEPRI	17.64	
38	381299.12	3734927.48	FENCEPRI	17.64	
39	381299.12	3734924.38	FENCEPRI	17.69	

Receptor Pathway

40	381323.61	3734924.38	FENCEPRI	17.07	
41	381298.67	3734918.73	FENCEPRI	17.91	
42	381323.52	3734918.67	FENCEPRI	17.23	
43	381323.58	3734908.28	FENCEPRI	17.59	
44	381318.39	3734908.28	FENCEPRI	17.74	
45	381318.33	3734907.29	FENCEPRI	17.76	
46	381316.90	3734907.29	FENCEPRI	17.79	
47	381316.84	3734908.28	FENCEPRI	17.77	
48	381315.11	3734908.28	FENCEPRI	17.80	
49	381315.11	3734910.01	FENCEPRI	17.77	
50	381312.39	3734910.01	FENCEPRI	17.83	
51	381312.27	3734909.52	FENCEPRI	17.84	
52	381310.60	3734909.58	FENCEPRI	17.87	
53	381310.47	3734910.57	FENCEPRI	17.86	
54	381298.42	3734910.57	FENCEPRI	18.24	
55	381298.42	3734913.04	FENCEPRI	18.18	
56	381297.61	3734913.10	FENCEPRI	18.16	
57	381297.61	3734916.25	FENCEPRI	18.02	
58	381298.17	3734916.25	FENCEPRI	18.03	
59	381298.17	3734918.97	FENCEPRI	17.90	
60	381299.25	3734902.89	FENCEPRI	18.40	
61	381310.49	3734902.89	FENCEPRI	17.99	
62	381310.49	3734903.36	FENCEPRI	17.98	
63	381312.07	3734903.36	FENCEPRI	17.95	
64	381312.02	3734902.10	FENCEPRI	17.98	
65	381315.01	3734902.10	FENCEPRI	17.93	
66	381315.01	3734903.99	FENCEPRI	17.89	
67	381316.96	3734903.99	FENCEPRI	17.86	
68	381316.96	3734904.73	FENCEPRI	17.84	
69	381318.80	3734904.73	FENCEPRI	17.81	
70	381318.74	3734904.09	FENCEPRI	17.82	
71	381323.37	3734904.09	FENCEPRI	17.75	
72	381323.37	3734893.90	FENCEPRI	18.05	
73	381314.22	3734893.90	FENCEPRI	18.30	
74	381314.17	3734893.37	FENCEPRI	18.33	
75	381312.91	3734893.37	FENCEPRI	18.35	
76	381312.86	3734894.00	FENCEPRI	18.33	
77	381301.56	3734894.00	FENCEPRI	18.62	
78	381301.51	3734893.48	FENCEPRI	18.63	
79	381299.98	3734893.48	FENCEPRI	18.66	
80	381299.98	3734894.32	FENCEPRI	18.63	
81	381297.88	3734894.32	FENCEPRI	18.65	
82	381297.83	3734896.79	FENCEPRI	18.58	

Receptor Pathway

83	381297.25	3734896.84	FENCEPRI	18.58	
84	381297.25	3734899.57	FENCEPRI	18.51	
85	381298.19	3734899.68	FENCEPRI	18.50	
86	381298.14	3734902.52	FENCEPRI	18.42	
87	381299.40	3734902.52	FENCEPRI	18.40	
88	381317.09	3734883.34	FENCEPRI	18.48	
89	381317.09	3734875.34	FENCEPRI	18.75	
90	381307.20	3734875.34	FENCEPRI	19.12	
91	381307.12	3734877.74	FENCEPRI	19.05	
92	381303.12	3734877.74	FENCEPRI	19.20	
93	381303.12	3734880.50	FENCEPRI	19.11	
94	381299.34	3734880.50	FENCEPRI	19.20	
95	381299.34	3734888.14	FENCEPRI	18.88	
96	381308.65	3734888.14	FENCEPRI	18.64	
97	381308.65	3734884.14	FENCEPRI	18.78	
98	381310.11	3734884.14	FENCEPRI	18.73	
99	381309.96	3734883.19	FENCEPRI	18.76	
100	381307.37	3734870.19	FENCEPRI	19.29	
101	381317.02	3734870.19	FENCEPRI	18.93	
102	381317.02	3734862.15	FENCEPRI	19.21	
103	381309.97	3734862.15	FENCEPRI	19.50	
104	381309.97	3734860.05	FENCEPRI	19.54	
105	381308.98	3734860.18	FENCEPRI	19.57	
106	381308.98	3734857.76	FENCEPRI	19.59	
107	381299.02	3734857.83	FENCEPRI	19.87	
108	381299.09	3734865.18	FENCEPRI	19.68	
109	381302.67	3734865.18	FENCEPRI	19.61	
110	381302.74	3734867.72	FENCEPRI	19.52	
111	381304.90	3734867.66	FENCEPRI	19.46	
112	381304.90	3734868.15	FENCEPRI	19.44	
113	381307.13	3734868.15	FENCEPRI	19.37	
114	381299.02	3734851.83	FENCEPRI	20.00	
115	381307.91	3734851.83	FENCEPRI	19.66	
116	381307.91	3734849.19	FENCEPRI	19.75	
117	381309.88	3734849.19	FENCEPRI	19.68	
118	381309.88	3734846.69	FENCEPRI	19.79	
119	381316.81	3734846.69	FENCEPRI	19.50	
120	381316.81	3734838.78	FENCEPRI	19.70	
121	381306.62	3734838.78	FENCEPRI	20.23	
122	381306.62	3734841.11	FENCEPRI	20.16	
123	381302.42	3734841.11	FENCEPRI	20.24	
124	381302.42	3734844.01	FENCEPRI	20.14	
125	381298.89	3734844.05	FENCEPRI	20.22	

Receptor Pathway

126	381306.75	3734833.80	FENCEPRI	20.38	
127	381316.43	3734833.80	FENCEPRI	19.84	
128	381316.43	3734825.24	FENCEPRI	20.01	
129	381309.65	3734825.24	FENCEPRI	20.35	
130	381309.65	3734824.79	FENCEPRI	20.35	
131	381307.52	3734824.79	FENCEPRI	20.44	
132	381307.55	3734820.98	FENCEPRI	20.42	
133	381298.67	3734821.01	FENCEPRI	20.66	
134	381298.67	3734828.54	FENCEPRI	20.66	
135	381302.48	3734828.50	FENCEPRI	20.60	
136	381302.52	3734831.41	FENCEPRI	20.58	
137	381306.75	3734831.41	FENCEPRI	20.46	
138	381297.51	3734815.17	FENCEPRI	20.74	
139	381322.05	3734814.79	FENCEPRI	19.92	
140	381321.86	3734807.23	FENCEPRI	20.08	
141	381322.43	3734807.23	FENCEPRI	20.06	
142	381322.43	3734805.56	FENCEPRI	20.08	
143	381321.82	3734805.56	FENCEPRI	20.09	
144	381321.82	3734804.61	FENCEPRI	20.10	
145	381317.07	3734804.61	FENCEPRI	20.23	
146	381317.07	3734803.77	FENCEPRI	20.23	
147	381315.70	3734803.77	FENCEPRI	20.26	
148	381315.70	3734804.57	FENCEPRI	20.26	
149	381310.77	3734804.57	FENCEPRI	20.38	
150	381310.77	3734806.43	FENCEPRI	20.38	
151	381297.43	3734806.70	FENCEPRI	20.82	
152	381296.95	3734798.92	FENCEPRI	20.85	
153	381308.89	3734798.92	FENCEPRI	20.42	
154	381308.89	3734799.35	FENCEPRI	20.41	
155	381310.49	3734799.35	FENCEPRI	20.38	
156	381310.41	3734798.84	FENCEPRI	20.39	
157	381313.69	3734798.84	FENCEPRI	20.33	
158	381313.62	3734800.44	FENCEPRI	20.31	
159	381315.87	3734800.44	FENCEPRI	20.27	
160	381315.80	3734800.95	FENCEPRI	20.27	
161	381317.26	3734801.03	FENCEPRI	20.24	
162	381317.26	3734800.15	FENCEPRI	20.24	
163	381321.62	3734800.15	FENCEPRI	20.14	
164	381321.62	3734790.18	FENCEPRI	20.29	
165	381296.80	3734790.25	FENCEPRI	21.02	
166	381296.80	3734793.38	FENCEPRI	20.96	
167	381295.93	3734793.38	FENCEPRI	20.97	
168	381295.93	3734795.93	FENCEPRI	20.92	

Receptor Pathway

169	381296.80	3734796.00	FENCEPRI	20.91	
170	381296.53	3734784.52	FENCEPRI	21.09	
171	381321.40	3734784.52	FENCEPRI	20.39	
172	381321.46	3734774.06	FENCEPRI	20.55	
173	381312.86	3734774.06	FENCEPRI	20.79	
174	381312.86	3734775.80	FENCEPRI	20.78	
175	381296.59	3734775.98	FENCEPRI	21.17	
176	381296.59	3734778.89	FENCEPRI	21.15	
177	381295.54	3734778.95	FENCEPRI	21.16	
178	381295.54	3734782.04	FENCEPRI	21.12	
179	381296.84	3734782.04	FENCEPRI	21.11	
180	381313.05	3734770.41	FENCEPRI	20.80	
181	381321.15	3734770.47	FENCEPRI	20.61	
182	381321.15	3734759.96	FENCEPRI	20.72	
183	381296.28	3734759.96	FENCEPRI	21.26	
184	381296.28	3734763.11	FENCEPRI	21.25	
185	381295.23	3734763.11	FENCEPRI	21.26	
186	381295.23	3734765.83	FENCEPRI	21.26	
187	381296.47	3734765.90	FENCEPRI	21.24	
188	381296.47	3734768.80	FENCEPRI	21.23	
189	381312.80	3734768.74	FENCEPRI	20.81	
190	381297.83	3734753.58	FENCEPRI	21.37	
191	381322.60	3734753.58	FENCEPRI	20.77	
192	381322.60	3734743.31	FENCEPRI	19.17	
193	381318.04	3734743.35	FENCEPRI	19.58	
194	381318.06	3734742.74	FENCEPRI	19.41	
195	381316.40	3734742.74	FENCEPRI	19.56	
196	381316.40	3734743.28	FENCEPRI	19.71	
197	381314.55	3734743.28	FENCEPRI	19.86	
198	381314.55	3734745.18	FENCEPRI	20.33	
199	381311.48	3734745.18	FENCEPRI	20.50	
200	381311.48	3734744.63	FENCEPRI	20.39	
201	381309.54	3734744.63	FENCEPRI	20.51	
202	381309.53	3734745.32	FENCEPRI	20.64	
203	381299.65	3734745.31	FENCEPRI	21.26	
204	381299.65	3734744.83	FENCEPRI	21.22	
205	381297.06	3734744.83	FENCEPRI	21.33	
206	381297.06	3734750.90	FENCEPRI	21.45	
207	381297.73	3734750.90	FENCEPRI	21.44	
208	381329.03	3734800.85	FENCEPRI	19.97	
209	381338.53	3734800.85	FENCEPRI	19.42	
210	381338.53	3734789.08	FENCEPRI	19.85	
211	381336.95	3734789.08	FENCEPRI	19.95	

Receptor Pathway

212	381336.95	3734788.34	FENCEPRI	19.96	
213	381331.36	3734788.34	FENCEPRI	20.16	
214	381331.33	3734789.05	FENCEPRI	20.16	
215	381328.58	3734789.02	FENCEPRI	20.17	
216	381293.89	3734715.42	FENCEPRI	22.16	
217	381308.63	3734715.23	FENCEPRI	21.52	
218	381308.13	3734701.86	FENCEPRI	22.19	
219	381301.07	3734702.11	FENCEPRI	22.30	
220	381300.95	3734701.30	FENCEPRI	22.27	
221	381293.71	3734701.61	FENCEPRI	22.18	
222	381315.25	3734710.13	FENCEPRI	21.81	
223	381321.63	3734710.13	FENCEPRI	21.72	
224	381321.63	3734710.69	FENCEPRI	21.61	
225	381328.93	3734710.69	FENCEPRI	21.30	
226	381328.93	3734706.97	FENCEPRI	22.36	
227	381330.54	3734706.97	FENCEPRI	22.34	
228	381330.61	3734696.32	FENCEPRI	22.37	
229	381321.44	3734696.32	FENCEPRI	22.29	
230	381321.44	3734697.13	FENCEPRI	22.29	
231	381315.07	3734697.13	FENCEPRI	22.18	
232	381315.00	3734701.21	FENCEPRI	22.16	
233	381315.56	3734701.21	FENCEPRI	22.16	
234	381315.50	3734705.98	FENCEPRI	22.14	
235	381314.76	3734706.04	FENCEPRI	22.15	
236	381293.36	3734691.16	FENCEPRI	22.27	
237	381301.78	3734691.16	FENCEPRI	22.34	
238	381301.78	3734690.54	FENCEPRI	22.36	
239	381308.84	3734690.54	FENCEPRI	22.24	
240	381308.84	3734688.56	FENCEPRI	22.27	
241	381307.91	3734688.62	FENCEPRI	22.27	
242	381307.91	3734681.57	FENCEPRI	22.33	
243	381308.90	3734681.63	FENCEPRI	22.31	
244	381308.90	3734677.73	FENCEPRI	22.33	
245	381301.78	3734677.73	FENCEPRI	22.52	
246	381301.78	3734677.23	FENCEPRI	22.53	
247	381293.36	3734677.23	FENCEPRI	22.48	
248	381315.55	3734693.73	FENCEPRI	22.20	
249	381323.97	3734693.73	FENCEPRI	22.34	
250	381323.92	3734694.31	FENCEPRI	22.33	
251	381330.23	3734694.36	FENCEPRI	22.36	
252	381330.18	3734680.42	FENCEPRI	22.34	
253	381320.92	3734680.42	FENCEPRI	22.32	
254	381320.92	3734680.89	FENCEPRI	22.32	

Receptor Pathway

255	381315.29	3734680.89	FENCEPRI	22.23	
256	381293.40	3734674.97	FENCEPRI	22.49	
257	381301.19	3734674.97	FENCEPRI	22.55	
258	381301.24	3734674.18	FENCEPRI	22.54	
259	381307.77	3734674.13	FENCEPRI	22.35	
260	381307.82	3734661.60	FENCEPRI	22.34	
261	381301.45	3734661.65	FENCEPRI	22.44	
262	381301.40	3734660.81	FENCEPRI	22.43	
263	381293.14	3734660.81	FENCEPRI	22.46	
264	381315.25	3734677.66	FENCEPRI	22.24	
265	381321.93	3734677.66	FENCEPRI	22.34	
266	381321.88	3734678.40	FENCEPRI	22.34	
267	381330.03	3734678.40	FENCEPRI	22.35	
268	381329.98	3734664.08	FENCEPRI	22.38	
269	381320.93	3734664.08	FENCEPRI	22.34	
270	381320.82	3734664.82	FENCEPRI	22.33	
271	381315.04	3734664.82	FENCEPRI	22.27	
272	381314.52	3734661.51	FENCEPRI	22.29	
273	381321.14	3734661.51	FENCEPRI	22.36	
274	381321.09	3734662.09	FENCEPRI	22.35	
275	381328.38	3734662.05	FENCEPRI	22.39	
276	381328.43	3734658.51	FENCEPRI	22.40	
277	381329.82	3734658.51	FENCEPRI	22.40	
278	381329.82	3734647.69	FENCEPRI	22.00	
279	381320.87	3734647.69	FENCEPRI	22.40	
280	381320.91	3734648.72	FENCEPRI	22.40	
281	381314.34	3734648.72	FENCEPRI	22.35	
282	381314.29	3734652.48	FENCEPRI	22.32	
283	381314.74	3734652.48	FENCEPRI	22.32	
284	381314.74	3734657.22	FENCEPRI	22.29	
285	381314.34	3734657.26	FENCEPRI	22.30	
286	381292.02	3734649.95	FENCEPRI	22.54	
287	381295.79	3734649.95	FENCEPRI	22.55	
288	381295.79	3734649.10	FENCEPRI	22.57	
289	381302.65	3734649.10	FENCEPRI	22.55	
290	381302.65	3734649.95	FENCEPRI	22.53	
291	381305.47	3734650.04	FENCEPRI	22.51	
292	381305.39	3734642.75	FENCEPRI	22.70	
293	381305.99	3734642.84	FENCEPRI	22.69	
294	381305.99	3734634.87	FENCEPRI	22.57	
295	381291.42	3734634.87	FENCEPRI	22.69	
296	381291.42	3734643.10	FENCEPRI	22.64	
297	381291.93	3734643.10	FENCEPRI	22.65	

298	381342.33	3734624.81	FENCEPRI	10.00	
299	381346.57	3734624.81	FENCEPRI	9.55	
300	381346.47	3734623.81	FENCEPRI	9.55	
301	381347.88	3734623.91	FENCEPRI	9.40	
302	381347.88	3734625.32	FENCEPRI	9.43	
303	381357.66	3734625.32	FENCEPRI	9.34	
304	381357.76	3734619.57	FENCEPRI	9.36	
305	381356.55	3734619.67	FENCEPRI	9.36	
306	381356.55	3734618.46	FENCEPRI	9.36	
307	381355.95	3734618.46	FENCEPRI	9.36	
308	381355.85	3734615.74	FENCEPRI	9.37	
309	381364.92	3734615.74	FENCEPRI	9.33	
310	381365.03	3734617.75	FENCEPRI	9.34	
311	381364.02	3734617.75	FENCEPRI	9.34	
312	381364.02	3734618.96	FENCEPRI	9.34	
313	381363.51	3734618.96	FENCEPRI	9.34	
314	381363.51	3734625.02	FENCEPRI	9.34	
315	381376.12	3734625.02	FENCEPRI	8.75	
316	381376.12	3734619.17	FENCEPRI	8.78	
317	381375.11	3734619.17	FENCEPRI	8.80	
318	381375.11	3734618.06	FENCEPRI	8.80	
319	381374.20	3734618.16	FENCEPRI	8.83	
320	381374.20	3734615.64	FENCEPRI	8.85	
321	381383.68	3734615.64	FENCEPRI	8.56	
322	381383.68	3734617.25	FENCEPRI	8.59	
323	381382.67	3734617.25	FENCEPRI	8.65	
324	381382.67	3734619.47	FENCEPRI	8.68	
325	381381.87	3734619.57	FENCEPRI	8.70	
326	381381.97	3734624.71	FENCEPRI	8.75	
327	381387.82	3734624.61	FENCEPRI	8.36	
328	381387.82	3734622.90	FENCEPRI	8.34	
329	381388.83	3734622.70	FENCEPRI	8.25	
330	381388.83	3734612.21	FENCEPRI	8.08	
331	381385.30	3734612.21	FENCEPRI	8.38	
332	381385.40	3734609.99	FENCEPRI	8.37	
333	381388.32	3734609.99	FENCEPRI	8.12	
334	381388.32	3734604.24	FENCEPRI	8.12	
335	381387.62	3734604.44	FENCEPRI	8.18	
336	381387.52	3734600.51	FENCEPRI	8.20	
337	381384.89	3734600.51	FENCEPRI	8.44	
338	381384.79	3734599.30	FENCEPRI	8.46	
339	381379.85	3734599.30	FENCEPRI	8.67	
340	381379.75	3734601.11	FENCEPRI	8.65	

Receptor Pathway

341	381376.22	3734600.71	FENCEPRI	8.70	
342	381377.53	3734593.85	FENCEPRI	8.73	
343	381383.88	3734593.75	FENCEPRI	8.62	
344	381383.78	3734594.56	FENCEPRI	8.62	
345	381387.31	3734594.46	FENCEPRI	8.25	
346	381387.26	3734546.68	FENCEPRI	8.07	
347	381385.52	3734546.68	FENCEPRI	8.24	
348	381385.32	3734542.43	FENCEPRI	8.28	
349	381380.69	3734542.43	FENCEPRI	8.56	
350	381380.49	3734540.11	FENCEPRI	8.41	
351	381344.17	3734540.11	FENCEPRI	9.21	
352	381344.17	3734542.23	FENCEPRI	9.29	
353	381340.69	3734542.23	FENCEPRI	9.43	
354	381340.69	3734553.63	FENCEPRI	9.17	
355	381342.05	3734553.83	FENCEPRI	9.18	
356	381342.05	3734582.23	FENCEPRI	9.74	
357	381349.58	3734582.23	FENCEPRI	9.39	
358	381350.93	3734596.91	FENCEPRI	9.29	
359	381349.19	3734596.91	FENCEPRI	9.39	
360	381349.00	3734594.79	FENCEPRI	9.41	
361	381345.33	3734594.59	FENCEPRI	9.62	
362	381345.14	3734597.30	FENCEPRI	9.62	
363	381342.05	3734597.30	FENCEPRI	9.81	
364	381342.05	3734603.87	FENCEPRI	9.80	
365	381343.21	3734604.06	FENCEPRI	9.73	
366	381343.21	3734609.86	FENCEPRI	9.78	
367	381344.75	3734609.86	FENCEPRI	9.66	
368	381344.75	3734616.23	FENCEPRI	9.70	
369	381342.43	3734616.42	FENCEPRI	9.90	
370	381332.48	3734950.82	FENCEPRI	16.05	
371	381339.37	3734950.82	FENCEPRI	15.70	
372	381339.27	3734940.77	FENCEPRI	16.25	
373	381332.48	3734940.68	FENCEPRI	16.33	
374	381332.29	3734931.98	FENCEPRI	16.76	
375	381338.69	3734932.04	FENCEPRI	16.63	
376	381338.63	3734921.53	FENCEPRI	16.84	
377	381332.17	3734921.58	FENCEPRI	17.00	
378	381327.51	3734871.62	FENCEPRI	18.57	
379	381339.66	3734871.62	FENCEPRI	18.27	
380	381339.66	3734867.57	FENCEPRI	18.43	
381	381332.21	3734867.57	FENCEPRI	18.55	
382	381332.32	3734854.76	FENCEPRI	18.94	
383	381325.43	3734854.76	FENCEPRI	19.05	

384	381325.43	3734868.33	FENCEPRI	18.71	
385	381327.72	3734868.33	FENCEPRI	18.64	
386	381325.18	3734853.32	FENCEPRI	19.09	
387	381331.82	3734853.32	FENCEPRI	18.99	
388	381331.75	3734840.59	FENCEPRI	19.15	
389	381325.10	3734840.51	FENCEPRI	19.24	
390	381327.54	3734834.10	FENCEPRI	19.39	
391	381337.35	3734834.10	FENCEPRI	19.37	
392	381337.35	3734832.76	FENCEPRI	19.41	
393	381339.96	3734832.76	FENCEPRI	19.44	
394	381339.96	3734826.43	FENCEPRI	19.56	
395	381337.11	3734826.43	FENCEPRI	19.54	
396	381337.11	3734819.23	FENCEPRI	19.61	
397	381327.06	3734819.15	FENCEPRI	19.60	

Intermediate

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	381369.82	3734625.02	FENCEINT	9.09	
2	381388.83	3734617.46	FENCEINT	8.15	
3	381387.30	3734584.90	FENCEINT	8.12	
4	381387.29	3734575.35	FENCEINT	7.96	
5	381387.28	3734565.79	FENCEINT	8.11	
6	381387.27	3734556.24	FENCEINT	8.13	
7	381371.41	3734540.11	FENCEINT	8.35	
8	381362.33	3734540.11	FENCEINT	8.66	
9	381353.25	3734540.11	FENCEINT	8.83	
10	381340.69	3734547.93	FENCEINT	9.29	
11	381342.05	3734563.30	FENCEINT	9.62	
12	381342.05	3734572.76	FENCEINT	9.65	
13	381350.26	3734589.57	FENCEINT	9.34	
14	381310.11	3734949.29	FENCEINT	16.88	
15	381317.06	3734949.26	FENCEINT	16.67	
16	381323.99	3734943.93	FENCEINT	16.47	
17	381305.04	3734940.80	FENCEINT	17.32	
18	381305.04	3734932.84	FENCEINT	17.43	
19	381307.28	3734924.38	FENCEINT	17.50	
20	381315.45	3734924.38	FENCEINT	17.28	
21	381323.69	3734929.51	FENCEINT	16.96	
22	381306.95	3734918.71	FENCEINT	17.71	
23	381315.24	3734918.69	FENCEINT	17.48	
24	381323.55	3734913.48	FENCEINT	17.40	

Receptor Pathway

25	381304.45	3734910.57	FENCEINT	18.11	
26	381304.87	3734902.89	FENCEINT	18.21	
27	381323.37	3734899.00	FENCEINT	17.91	
28	381307.21	3734894.00	FENCEINT	18.46	
29	381311.72	3734838.78	FENCEINT	20.01	
30	381305.69	3734815.04	FENCEINT	20.53	
31	381313.87	3734814.92	FENCEINT	20.25	
32	381304.10	3734806.57	FENCEINT	20.62	
33	381302.92	3734798.92	FENCEINT	20.66	
34	381313.35	3734790.20	FENCEINT	20.57	
35	381305.07	3734790.23	FENCEINT	20.85	
36	381304.82	3734784.52	FENCEINT	20.92	
37	381313.11	3734784.52	FENCEINT	20.67	
38	381321.43	3734779.29	FENCEINT	20.47	
39	381304.73	3734775.89	FENCEINT	20.97	
40	381321.15	3734765.22	FENCEINT	20.67	
41	381312.86	3734759.96	FENCEINT	20.92	
42	381304.57	3734759.96	FENCEINT	21.07	
43	381304.64	3734768.77	FENCEINT	21.02	
44	381306.09	3734753.58	FENCEINT	21.16	
45	381314.34	3734753.58	FENCEINT	21.01	
46	381322.60	3734748.45	FENCEINT	20.84	
47	381338.53	3734794.97	FENCEINT	19.62	
48	381328.81	3734794.94	FENCEINT	20.07	
49	381301.26	3734715.33	FENCEINT	22.16	
50	381308.38	3734708.55	FENCEINT	22.14	
51	381293.80	3734708.52	FENCEINT	22.26	
52	381330.58	3734701.65	FENCEINT	22.35	
53	381293.36	3734684.20	FENCEINT	22.42	
54	381330.21	3734687.39	FENCEINT	22.34	
55	381315.42	3734687.31	FENCEINT	22.22	
56	381307.80	3734667.87	FENCEINT	22.36	
57	381293.27	3734667.89	FENCEINT	22.51	
58	381330.01	3734671.24	FENCEINT	22.36	
59	381315.15	3734671.24	FENCEINT	22.25	
60	381329.82	3734653.10	FENCEINT	22.28	
61	381298.71	3734634.87	FENCEINT	22.72	
62	381339.32	3734945.80	FENCEINT	15.99	
63	381332.48	3734945.75	FENCEINT	16.15	
64	381338.66	3734926.79	FENCEINT	16.73	
65	381332.23	3734926.78	FENCEINT	16.89	

66	381333.59	3734871.62	FENCEINT	18.38	
67	381332.27	3734861.17	FENCEINT	18.76	
68	381325.43	3734861.55	FENCEINT	18.86	
69	381331.79	3734846.96	FENCEINT	19.10	
70	381325.14	3734846.92	FENCEINT	19.19	
71	381332.09	3734819.19	FENCEINT	19.62	
72	381327.30	3734826.63	FENCEINT	19.54	

Receptor Groups

Record Number	Group ID	Group Description
1	UCART1	Receptors generated from Uniform Cartesian Grid
2	FENCEPRI	Cartesian plant boundary Primary Receptors
3	FENCEINT	Cartesian plant boundary Intermediate Receptors

Source Pathway - Source Inputs

AERMOD

Source Pathway - Source Inputs

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V1	381363.00	3734750.50	8.42	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V2	381370.00	3734750.50	8.24	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V3	381377.00	3734750.50	8.13	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V4	381384.00	3734750.50	8.02	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V5	381391.00	3734750.50	8.07	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V6	381363.00	3734757.50	8.26	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V7	381370.00	3734757.50	8.13	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V8	381377.00	3734757.50	8.02	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V9	381384.00	3734757.50	7.88	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V10	381391.00	3734757.50	7.92	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V11	381363.00	3734764.50	8.15	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V12	381370.00	3734764.50	8.03	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V13	381377.00	3734764.50	7.91	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V14	381384.00	3734764.50	7.77	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V15	381391.00	3734764.50	7.80	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V16	381363.00	3734771.50	8.04	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V17	381370.00	3734771.50	7.92	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V18	381377.00	3734771.50	7.82	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V19	381384.00	3734771.50	7.69	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V20	381391.00	3734771.50	7.71	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V21	381363.00	3734778.50	7.92	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V22	381370.00	3734778.50	7.81	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V23	381377.00	3734778.50	7.73	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V24	381384.00	3734778.50	7.62	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V25	381391.00	3734778.50	7.63	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V26	381363.00	3734785.50	7.82	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V27	381370.00	3734785.50	7.71	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V28	381377.00	3734785.50	7.65	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V29	381384.00	3734785.50	7.55	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V30	381391.00	3734785.50	7.54	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V31	381363.00	3734792.50	7.73	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V32	381370.00	3734792.50	7.62	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V33	381377.00	3734792.50	7.55	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V34	381384.00	3734792.50	7.46	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V35	381391.00	3734792.50	7.43	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V36	381363.00	3734799.50	7.64	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V37	381370.00	3734799.50	7.52	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V38	381377.00	3734799.50	7.44	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V39	381384.00	3734799.50	7.35	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V40	381391.00	3734799.50	7.30	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V41	381363.00	3734806.50	7.54	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V42	381370.00	3734806.50	7.43	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V43	381377.00	3734806.50	7.35	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V44	381384.00	3734806.50	7.25	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V45	381391.00	3734806.50	7.20	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V46	381363.00	3734813.50	7.43	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V47	381370.00	3734813.50	7.33	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V48	381377.00	3734813.50	7.25	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V49	381384.00	3734813.50	7.15	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V50	381391.00	3734813.50	7.11	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V51	381363.00	3734820.50	7.32	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V52	381370.00	3734820.50	7.23	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V53	381377.00	3734820.50	7.14	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V54	381384.00	3734820.50	7.06	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V55	381391.00	3734820.50	7.03	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V56	381363.00	3734827.50	7.24	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V57	381370.00	3734827.50	7.13	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V58	381377.00	3734827.50	7.04	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V59	381384.00	3734827.50	6.95	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V60	381391.00	3734827.50	6.92	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V61	381363.00	3734834.50	7.14	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V62	381370.00	3734834.50	7.03	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V63	381377.00	3734834.50	6.93	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V64	381384.00	3734834.50	6.85	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V65	381391.00	3734834.50	6.82	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V66	381363.00	3734841.50	7.04	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V67	381370.00	3734841.50	6.92	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V68	381377.00	3734841.50	6.82	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V69	381384.00	3734841.50	6.76	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V70	381391.00	3734841.50	6.73	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V71	381363.00	3734848.50	6.97	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V72	381370.00	3734848.50	6.82	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V73	381377.00	3734848.50	6.74	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V74	381384.00	3734848.50	6.67	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V75	381391.00	3734848.50	6.64	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V76	381363.00	3734855.50	6.88	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V77	381370.00	3734855.50	6.75	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V78	381377.00	3734855.50	6.67	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V79	381384.00	3734855.50	6.58	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V80	381391.00	3734855.50	6.55	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V81	381363.00	3734862.50	6.77	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V82	381370.00	3734862.50	6.67	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V83	381377.00	3734862.50	6.59	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V84	381384.00	3734862.50	6.48	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V85	381391.00	3734862.50	6.45	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V86	381363.00	3734869.50	6.62	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V87	381370.00	3734869.50	6.54	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V88	381377.00	3734869.50	6.47	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V89	381384.00	3734869.50	6.38	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V90	381391.00	3734869.50	6.35	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V91	381363.00	3734876.50	6.49	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V92	381370.00	3734876.50	6.44	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V93	381377.00	3734876.50	6.42	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V94	381384.00	3734876.50	6.32	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V95	381391.00	3734876.50	6.27	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V96	381363.00	3734883.50	6.41	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V97	381370.00	3734883.50	6.34	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V98	381377.00	3734883.50	6.34	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V99	381384.00	3734883.50	6.24	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V100	381391.00	3734883.50	6.19	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V101	381363.00	3734890.50	6.40	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V102	381370.00	3734890.50	6.20	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V103	381377.00	3734890.50	6.16	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V104	381384.00	3734890.50	6.12	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V105	381391.00	3734890.50	6.11	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V106	381363.00	3734897.50	6.28	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V107	381370.00	3734897.50	6.12	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V108	381377.00	3734897.50	6.08	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V109	381384.00	3734897.50	6.01	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V110	381391.00	3734897.50	6.01	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V111	381363.00	3734904.50	6.18	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V112	381370.00	3734904.50	6.03	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V113	381377.00	3734904.50	5.98	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V114	381384.00	3734904.50	5.90	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V115	381391.00	3734904.50	5.90	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V116	381363.00	3734911.50	6.15	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V117	381370.00	3734911.50	5.92	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V118	381377.00	3734911.50	5.84	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V119	381384.00	3734911.50	5.79	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V120	381391.00	3734911.50	5.80	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V121	381363.00	3734918.50	6.00	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V122	381370.00	3734918.50	5.89	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V123	381377.00	3734918.50	5.86	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V124	381384.00	3734918.50	5.76	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V125	381391.00	3734918.50	5.75	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V126	381363.00	3734925.50	5.95	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V127	381370.00	3734925.50	5.90	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V128	381377.00	3734925.50	5.89	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V129	381384.00	3734925.50	5.78	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V130	381391.00	3734925.50	5.75	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V131	381363.00	3734932.50	6.02	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V132	381370.00	3734932.50	5.96	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V133	381377.00	3734932.50	5.90	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V134	381384.00	3734932.50	5.84	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V135	381391.00	3734932.50	5.82	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V136	381363.00	3734939.50	6.09	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V137	381370.00	3734939.50	6.03	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V138	381377.00	3734939.50	5.99	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V139	381384.00	3734939.50	5.92	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V140	381391.00	3734939.50	5.89	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V141	381363.00	3734946.50	6.14	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V142	381370.00	3734946.50	6.09	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V143	381377.00	3734946.50	6.05	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway - Source Inputs

AERMOD

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	V144	381384.00	3734946.50	6.00	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V145	381391.00	3734946.50	5.98	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V146	381363.00	3734953.50	6.23	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V147	381370.00	3734953.50	6.14	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V148	381377.00	3734953.50	6.10	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V149	381384.00	3734953.50	6.08	5.00	0.00002	7.00	Surface-Based	1.63	1.40
VOLUME	V150	381391.00	3734953.50	6.07	5.00	0.00002	7.00	Surface-Based	1.63	1.40

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Variable Emissions

Hour / Day-of-Week Emission Rate Variation

Scenario: CON

Source ID: V1

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V2

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

AERMOD

Scenario: CON

Source ID: V3

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V4

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V5

Source Pathway

AERMOD

Scenario: CON

Source ID: V5

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V6

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V7

Source Pathway

Scenario: CON

Source ID: V7

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V8

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V9

Source Pathway

AERMOD

Scenario: CON

Source ID: V9

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V10

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V11

Source Pathway

Scenario: CON

Source ID: V11

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V12

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V13

Source Pathway

Scenario: CON

Source ID: V13

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V14

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V15

Source Pathway

Scenario: CON

Source ID: V15

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V16

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V17

Scenario: CON

Source ID: V17

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V18

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V19

Source Pathway

Scenario: CON

Source ID: V19

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V20

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V21

Scenario: CON

Source ID: V21

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V22

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V23

Scenario: CON

Source ID: V23

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V24

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V25

Scenario: CON

Source ID: **V25**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V26**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V27**

Source Pathway

Scenario: CON

Source ID: V27

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V28

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V29

Source Pathway

Scenario: CON

Source ID: V29

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V30

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V31

Scenario: CON

Source ID: V31

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V32

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V33

Scenario: CON

Source ID: V33

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V34

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V35

Scenario: CON

Source ID: V35

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V36

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V37

Scenario: CON

Source ID: V37

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V38

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V39

Scenario: CON

Source ID: V39

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V40

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V41

Scenario: CON

Source ID: V41

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V42

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V43

Scenario: CON

Source ID: V43

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V44

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V45

Scenario: CON

Source ID: V45

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V46

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V47

Scenario: CON

Source ID: V47

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V48

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V49

Scenario: CON

Source ID: V49

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V50

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V51

Source Pathway

Scenario: CON

Source ID: V51

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V52

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V53

Scenario: CON

Source ID: V53

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V54

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V55

Scenario: CON

Source ID: V55

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V56

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V57

Source Pathway

Scenario: CON

Source ID: V57

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V58

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V59

Scenario: CON

Source ID: **V59**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V60**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V61**

Scenario: CON

Source ID: **V61**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V62**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V63**

Scenario: CON

Source ID: V63

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V64

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V65

Scenario: CON

Source ID: **V65**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V66**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V67**

Scenario: CON

Source ID: V67

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V68

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V69

Scenario: CON

Source ID: **V69**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V70**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V71**

Scenario: CON

Source ID: V71

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V72

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V73

Source Pathway

Scenario: CON

Source ID: V73

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V74

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V75

Scenario: CON

Source ID: V75

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V76

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V77

Source Pathway

AERMOD

Scenario: CON

Source ID: V77

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V78

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V79

Scenario: CON

Source ID: **V79**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V80**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V81**

Source Pathway

Scenario: CON

Source ID: V81

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V82

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V83

Source Pathway

Scenario: CON

Source ID: V83

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V84

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V85

Scenario: CON

Source ID: **V85**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V86**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V87**

Scenario: CON

Source ID: V87

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V88

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V89

Source Pathway

Scenario: CON

Source ID: V89

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V90

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V91

Scenario: CON

Source ID: **V91**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V92**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V93**

Source Pathway

Scenario: CON

Source ID: V93

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V94

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V95

Scenario: CON

Source ID: **V95**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V96**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V97**

Source Pathway

Scenario: CON

Source ID: V97

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V98

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V99

Scenario: CON

Source ID: V99

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V100

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V101

Source Pathway

Scenario: CON

Source ID: V101

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V102

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V103

Source Pathway

Scenario: CON

Source ID: V103

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V104

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V105

Scenario: CON

Source ID: **V105**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V106**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V107**

Source Pathway

Scenario: CON

Source ID: V107

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V108

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V109

Scenario: CON

Source ID: **V109**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V110**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V111**

Source Pathway

Scenario: CON

Source ID: **V111**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V112**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V113**

Source Pathway

Scenario: CON

Source ID: V113

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V114

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V115

Scenario: CON

Source ID: **V115**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V116**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V117**

Source Pathway

Scenario: CON

Source ID: V117

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V118

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V119

Scenario: CON

Source ID: **V119**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V120**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V121**

Scenario: CON

Source ID: **V121**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V122**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V123**

Source Pathway

Scenario: CON

Source ID: V123

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V124

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V125

Source Pathway

Scenario: CON

Source ID: **V125**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V126**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V127**

Source Pathway

Scenario: CON

Source ID: V127

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V128

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V129

Source Pathway

Scenario: CON

Source ID: V129

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V130

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V131

Scenario: CON

Source ID: **V131**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V132**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V133**

Source Pathway

Scenario: CON

Source ID: **V133**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V134**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V135**

Scenario: CON

Source ID: **V135**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V136**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V137**

Source Pathway

Scenario: CON

Source ID: **V137**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V138**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V139**

Scenario: CON

Source ID: **V139**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V140**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V141**

Source Pathway

Scenario: CON

Source ID: V141

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V142

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V143

Scenario: CON

Source ID: **V143**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V144**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V145**

Scenario: CON

Source ID: **V145**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V146**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V147**

Scenario: CON

Source ID: **V147**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V148**

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: **V149**

Source Pathway

Scenario: CON

Source ID: V149

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: V150

Hour	Mon	Tues	Wed	Thr	Fri	Sat	Sun
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
11:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
13:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
14:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
15:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
16:00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Attachment 3
Risk Calculations

Carcinogenic Risk Calculations - Maximally Exposed Individual Resident (MEIR)

Resident	Concentration (ug/m3)	Daily Breath Rate BR/BW	Conversion Factor CF	A	Exposure Frequency EF (350 days/365 days)	[Pollutant] * (BR/BW) * CF * A * EF Dose (mg/kg/d)	Age Sensitivity Factor ASF	Fraction of Time at Home FAH	Cancer Potency Factor CPF (kg-day/mg)	Exposure Duration ED (years)	Averaging Time AT (Years)	Dose * ASF * FAH * CPF * ED/AT * 1,000,000 Risk (per million)
Infant	0.01938	1090	0.000001	1	0.96	2.03E-05	10	0.85	1.1	0.25	70	**0.68**
Child	0.01938	745	0.000001	1	0.96	1.38E-05	3	0.72	1.1	0.25	70	**0.12**
Adult	0.01938	335	0.000001	1	0.96	6.23E-06	1	0.73	1.1	0.25	70	**0.02**